



# SEQUENCE LISTING

<110> Robert A. Sikes et al.

<120> Isolation and Use of Fetal Urogenital  
Sinus Expressed Sequences

<130> 9901-007-999

<140> 09/482,933

<141> 2000-01-14

<150> PCT/US99/10746

<151> 1999-05/14

<150> 60/085,383

<151> 1998-05-14

<160> 811

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 601

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(601)

<223> n = A,T,C or G

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cttcacmcaa	acctcgtnng	actccaaaga	tccvgatccc	gctcacggag	agagaaamcc	180
agaacaancc	cgacgcagag	atagatctgg	atcatctcag	tcaacatctc	gaagaagaca	240
gaggagccgg	tctagatcac	gagttactcg	gagacrgagg	ggtgggtctk	gttaccattc	300
aagatcacct	accagacagg	agagttctcg	aacctcctct	agacgcagaa	gaggccgctn	360
cccsagacacc	cttgaccagt	cggaagcgat	ctcgatcaag	aacatcacca	gtccttgga	420
mgcgctctag	atctsgagcc	tcaccagcta	ctcatsnggc	ggtccaggtc	magaacacca	480
ctgataagcc	gacgtaggtc	cagatctcgg	acctcacctg	tgagtaggag	acgggtcaagg	540
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<211> 243

<212> DNA

<213> Murine

<400> 2

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agaagttgag	cattttttatg	gctgataaag	tgaatgttac	ttctaagtgc	tcacttcttt	180

tatcagaagt gaccctcagt ccattgtgct acsttagctt gcctctttgg taataatkcg	240
kag	243

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<220>  
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ggatgaacta tcctgcctga taaaaaccaa cagctggcct gatcgctcag aacacctgtg	120
acatgtcctc cctagamggg acagagtgat agttcatgtt tgnnkgtgtg tggactawyt	180
kgktactacc tttagagcaa ctgatktat	209

<210> 4  
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<220>  
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 <222> (1)...(357)  
 <223> n = A,T,C or G

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acytrgtgaa cttaawwaam gcagactggg acctaggaaa attcaccatt ttcattgtaa	180
tgttctcggg tttgccttta tccatagaaa agtgggctct tgggaatgat gaggacactg	240
aggggtggag gatacmaacs gaaaagctca tggagataga gtkcaagcag agagtgtggg	300
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<210> 5  
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 <223> n = A,T,C or G

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ggagncccca ggctcccagg accccgagca cacagtgacc cantggcctg gnagaaggcg	180
gaagctccag gracmgttag cagtkctgcy kdarggscnn yaaggamcct ncyggtkcyc	240
cccanggatt cagnagnca gttccagara aaatyctgta cagtktacac acggtgtsca	300
tatcgtggag aractcacat ctctgtgcgc g	331

<210> 6  
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 <212> DNA  
 <213> Murine

<220>  
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 <223> n = A,T,C or G

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 agatgaccct aactcttcag gaaawdcaac catctatatc agtcttatct ctgctctcaa 180  
 aatgctctca gagagtaaam mmaaattggc cttnggtata cnyctctccg ttttgttttt 240  
 ttaaagrwtg cctagkaatt tttnaaaaag kgcaaaagrt gtktyytgag atttyctttt 300  
 yaattytggg tgtcagtgtg tgdgtgtttg t 331

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 <213> Murine

<220>  
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 <223> n = A,T,C or G

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 ggctcaaatt gaaaaggaaa taaaagagac cacaataaaa ttgctaacat acggagtaac 180  
 agagtgatct gtgacacaat tctgctccat gttttccttt cccttcaagg acagctgggc 240  
 agccactgag gcctgtggac aaggatccat gatcatttcc aatgttcaga gagtccagca 300  
 accaccaggc aagggctgtt ggcacytagg aatgggtctg cttgcatgtc aagggaacaa 360  
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 cmctaga 427

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 <212> DNA  
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<220>  
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 <222> (1)...(520)  
 <223> n = A,T,C or G

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 ccnaagatct gagcagggtg ccagaacagg natgtacacg ctgctttcgg gattgtacaa 180  
 gtacatgttc cagaaggatg aatactgcat cctgatcctg ggcctggaca atgctgggaa 240  
 gacggtaggt ccctgctctc tcaccagttc ccattccctg cctgatctaa nccccgccc 300  
 caaggctaca ggtagtagt caccagcctc ctgaagatca agccacaggs agaggcgtgc 360

atggctgcat	ngggtgtgaa	gggataggtg	ggaaggacac	cagaaaacta	ctctagctgc	420
tgctatctna	mccccctctc	tttttttcc	cagactttcc	tggaacagtc	aaaaacacgc	480
tttaacaaga	actacaagga	attccaccac	actggcgggc			520

<210> 9  
 <211> 465  
 <212> DNA  
 <213> Murine

<220>  
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 <222> (1)...(465)  
 <223> n = A,T,C or G

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gctcccagct	gtacacatag	accagacaac	tcagcctcca	gagactggta	tgacctctgc	180
atatattctt	tataagtacc	acatgccaac	ttkgtgcttt	actggagtac	cctctatags	240
cctctgaaa	acttagacag	kagcctttca	agkaaacart	ctgtagtgcc	cytacarctg	300
traatactta	tctctttaat	gtnttgctctg	gkagaaagac	atcttgatgt	atcttccctc	360
atttagttaa	gtttacctct	agtggagaat	tagttaaacc	actttggctc	ctgaagggtc	420
tcatgtgcat	atgcgctgta	ctctyccaag	agcdntgtgg	attct		465

<210> 10  
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taggcttttt	cctgggtataa	agtctaagcg	tctctatgca	gatttcctga	atctcctctt	120
ctgtggtacc	aaacagaaga	aaccaatggg	gccgagttgg	caagggaatt	tgaagtgctc	180
tagctgcaag	gtagatacaa	gcacatgcta	tagtctctgg	ttgaaagcga	acaaagacat	240
tggttcgaag	actgtcattc	atgtaattcc	aggcagtttg	aaccaggggt	tggttacgtt	300
cacattctaa	gacttgtaaa	tacattacaa	tgatcttatg	gggatgcttg	acatgaacac	360
aaaatcccaa	ctccttttagc	accctcctct	ctgccttgat	aacttgattt	ttggtgttaa	420
tgtagttctg	atcaaggatc	agggggcctg	gagtcctytt	tccycttaac	tggcggaggt	480
ggtggaatac	attaatcaca	tctctwattc	ttyttggcgc	ttcttcgatt	tttgacscaa	540
g						541

<210> 11  
 <211> 330  
 <212> DNA  
 <213> Murine

<400> 11						
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gacctcgacc	gctgccgcgc	ccgccgcgcg	tgcgcctcc	gcctcgctccg	ccgccccgag	120
cgcgggcggc	tccagctccg	gcacgaccac	cacgacgacg	accacgaccg	gagggatcct	180
gatcggcgac	cgctgtgatt	cggaggtgtc	gctcaccatc	gacctcgc	tgatccccga	240
ggageggctc	tcgcctaccc	cgtccatgca	ggacggcctg	gacctgccca	gcgagacgga	300
tctkcgcatc	ttgggstgcg	agctchatcc				330

<210> 12



<211> 330  
 <212> DNA  
 <213> Murine

<400> 12  
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 gacctcgacc gctgcgcgcg ccgcccgcgc tgccgcctcc gcctcgctccg ccgccccgag 120  
 cgcgggcggc tccagctccg gcacgaccac cagcagcagc accacgaccg gagggatcct 180  
 gatcggcgac cgctgtatt cggaggtgtc gtcaccatc gaccactcgc tgatccccga 240  
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 tctkcgcatc ttgggstgcg agctchatcc 330

<210> 13  
 <211> 530  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> n = A,T,C or G

<400> 13  
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 ctcagcctta ggggtctgcat cccattaggt ttctagggt gcaggggctg caggaccang 120  
 ggccatgngc tccntncaact tgaccctgca gctgggtgtm aganagtcct gtnnggttcn 180  
 cacctymagg ggatgtycct accmacnttn cacctkctca agnctyact gtctggggcc 240  
 tgtgngctct cncaacagct tcttccttcc tttgcccttc gtgtcagcca gcagccttgc 300  
 caagtgtttg ttwatattwat actttgtgnt ttttgagaca gtcacatcaa ggttgaactt 360  
 agaacccaag atccnyactg ctatcacccc ctgaatactg gggnttcna gngtgnnnn 420  
 cctgggntcc manncctcag gacnacnnn cttasvnnag gatanccgta tcacgtncctt 480  
 gggsnccatc ccttttttcc ccactacana gdaagnnnn nccccgawtcc 530

<210> 14  
 <211> 537  
 <212> DNA  
 <213> Murine

<400> 14  
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 taccaatgga gcttaattta ggtagtgaat tagttcctaa atagatcagt gattgtgaac 120  
 aaggcaataa aaagaaaacc tctaattgta tcaagtgttc ccataagtac tttgtatata 180  
 tgtggatgtg tgttggtgtg catgcacata tgtgtgcatg tgtgtggatt gcgaaggaca 240  
 gcctttggtg tcattcctca ggtggtgtcc acctgtttt gaagagatag gagtgtcaca 300  
 ctgaacctgc agcttgctga ttcagagtac caggacatg cctggcttga cctctccaac 360  
 actgggatca caaggaactt tcgtcagcag gtcttgchtr kwtgaaatag ttgagaggga 420  
 ctgcactccg atcttcacac ttgcacataa tgcatattgc caaatggccc atctccttga 480  
 ctccactgaa taaaattttt gactaatttc tcaaaataat tacagcagcc tgaattc 537

<210> 15  
 <211> 302  
 <212> DNA  
 <213> Murine

<400> 15

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ttggtgatgt	catagaccac	aatggctgct	tgggcccccg	atagtacatc	ggggccaggc	120
tgtgatagck	ctcttgccca	gctgtgtycc	agatctcaaa	cttgaccgtt	gtatcgtcta	180
agcagacagt	ctgtgtgagg	aaakttgctc	caattgtgct	ctyctggtag	tcatggaaact	240
kcccttkac	maagcggagg	dccaggctgg	actttbccac	ggcagtytck	tccaagaggd	300
cc						302

<210> 16  
 <211> 312  
 <212> DNA  
 <213> Murine

<400> 16						
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ccttcccatt	aagtygcctc	tttagcatag	caccggcccc	acccccacgs	tcaactggtag	120
tactacagag	cagckcgcca	tggcgggtcc	gaggaggtgc	agcacgaacc	caatggacca	180
gcttgctggc	aacaagatct	tgtcagttta	agcttggkcc	tcttygggcg	agtctkccgt	240
trggcaagkb	carcctggtg	ctcccgcttt	gtcaaggggc	agttycatga	gtaccaggag	300
agcacaattg	ga					312

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 <212> DNA  
 <213> Murine

<220>  
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 <222> (1)...(310)  
 <223> n = A,T,C or G

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tacttgaatt	gattaaggca	cagatgtgtt	tgggtctaaaa	ggctgtatct	tgtctgcttt	180
ttcacaaatc	tatggaaaatt	gatttcccca	tcttgcagtg	tgcttagckc	ccacgntccc	240
caagttctag	aattctggaa	agadccttca	tgtatggaat	gtcttctgtk	cagaggagggt	300
nctcagcata						310

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 <211> 392  
 <212> DNA  
 <213> Murine

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ctgcagtgtg	aaacaaactg	tgtctaagta	caagggtctc	ggaattacaa	agtttacaaa	120
gcagctctac	cacgtctcca	aggccaaaat	agatgccccg	aagagggaaa	ggggcaagag	180
agctgtccga	agcagtacac	cagcttaagt	gacatgaaat	aacttggaac	aggttcaaac	240
tgagagactg	cagttgagat	gaagtgggaa	aaaatatttg	aattcagtcc	aatagagttc	300
acagaacacc	accttaaycc	tgcacccctt	bccaaaatgg	aaacaaagtt	gtwtcaaaaaw	360
mtccagttca	tccaagggaat	ccaaacatsc	tt			392

<210> 19  
 <211> 148  
 <212> DNA

<213> Murine

<400> 19

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ctctggaagt cagtgahtag cagggaccag agcgtattgc tgcagtatag actgaacgga	120
aggaaaacca ctgcycaggg kgccgkkg	148

<210> 20

<211> 382

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(382)

<223> n = A,T,C or G

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ccagcgacgt caccacacb ngcagaagcg gacgccgcgg tcaagatgtc tctgccatgc	180
ccacgggacg cacggacgca cggacggacg gacggactcc acaaggkagg aagcctgcbc	240
cggagcgcac cggbcgcacc caccacagca cacaggacac acgcggggccc bbsccccgcc	300
caggcacacg cggbacacac ggcacacacb ggcmaggcag gccaggscac mcgcayckcc	360
aggaccccchc ctgcmccccg cc	382

<210> 21

<211> 166

<212> DNA

<213> Murine

<400> 21

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tattgagggg gacatgtctg tacgcagtca ggccctgttg gcgtgctcct tcctccgtga	120
gaabcgctyc gttctgkkgc gcctcdgceg actmcgcgca ccttgt	166

<210> 22

<211> 206

<212> DNA

<213> Murine

<400> 22

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caatcaaakc ctagacaggc acctacacc aakcttcaaa gtattttttaa aatkkccaca	120
aaattcaatt cttwgaatt tctcttagac actgttcaat ttaaattttt tkcaatkggg	180
acagaacctg gggctttgtg tttgtt	206

<210> 23

<211> 305

<212> DNA

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<220>

<221> misc\_feature

<222> (1)...(305)

<223> n = A,T,C or G

<400> 23

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tctaaatgct	gtttgaaakc	tgccaggggtg	attctcttat	caacatgcac	catcaaccat	120
ttgtgtcctt	yyycagagcc	ttcatcckcw	gbtgtagggg	tcnkctttga	agtacatgta	180
ctgcatgtyc	cccccttttt	tkbcactctc	ggcatatctc	actgtcagtc	ccagagtctt	240
cttywgctgt	gtyccaggkc	tccytctttc	cctcggttgc	tttagktctt	ctactacytg	300
tgact						305

<210> 24

<211> 288

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(288)

<223> n = A,T,C or G

<400> 24

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gggtgattct	cttatcaaca	tkcwccatca	accatttgtk	ttcttttycca	gacccctcat	120
ycgcwgtgta	ggkgtcagct	ttgaagtaca	tgtactgcat	gtccccctt	ctcttkeyac	180
tctyygttca	cattcwgact	tctgwtccag	atwwctttcw	gtcygagggw	cttytctkctc	240
tcagatgtga	atwwatgdtg	sgagtacaag	gttckggtag	acaggtga		288

<210> 25

<211> 249

<212> DNA

<213> Murine

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 25

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aggtkctctt	gtyctgctct	ggdgtycctc	agctgtctgc	agcwcccacc	agacactgtc	120
cattgctgtc	tgccatgctt	gtctttatgt	cgtgtgtttc	tcgtccctra	vttcaacctc	180
tkncccttt	cctaacaaca	tgactacctc	atkytnctt	cagaccatag	tgkgaccctt	240
rggttccca						249

<210> 26

<211> 288

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(288)

<223> n = A,T,C or G

<400> 26

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ttgtgcatag	tttttacaga	tatggattta	gcagactgtc	ttttcactgt	tatgggggttt	120
tttagaagtt	gagacatttt	tatggctgaw	waargtgaat	gktacyttct	taargtgctc	180
aacttctttt	atcaggaagk	gaaccocyag	ktccattgtg	gcyaacgtta	ggcttggcct	240
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gatgcttcch	ccccccccc	ccaennbtcc	agactttcat	tttctctccg	gtttggacac	120
aagagagaga	gagagagaga	gagagagaga	gagagcgcta	cagaagttgt	ttacaaacca	180
gagaactgtt	cattaagtga	aaacgttagg	sagcacatgt	tccgcagaag	ataacaaaat	240
agatgsgska	aatagtgtag	tcggtgtcga	agcaatatta	awctdtkcct	attcccvgct	300
aaataaagtk	aagccaccga	ttttttgttt	ttgagatctc	tatggrkgta	tggag	355

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 <212> DNA  
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<400> 28						
gaattcccc	agaaaatata	aggatgccat	acactttata	attctaacac	cattgattaa	60
aaaaaaaaa	aaaggaaaaa	atgctgccat	tttaattggca	ttttctcatc	aaaatcaacg	120
tgtgctttt	atatttcaa	ataaggcatt	atatgctatt	tcaaaaaaaaa	atttaagacc	180
aaaagtacat	gcttactttt	agaagcatgt	acatttttta	aaaaggatct	attcagttag	240
caaatgagtg	ttgtgaagag	ctgctcacta	aaagctaact	gtagttaaaa	ggttatatag	300
tggcattttt	aagtgcacag	aaattcaamt	ttactttttc	caaaggattc	cacaagtgca	360
gtagtgact	agtgtaccy	sctgaagtct	g			391

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<220>  
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<400> 29						
ggaattctcc	gaccgtkcg	acttaagatg	gaggcwcttc	ctgtctkcg	cggaagaga	60
aggctcggtc	ggagccggga	atgctgggac	ttgtacgtcc	tytkgtcack	kbykcnsc	120
ccagcgacgt	cwccacack	kckcagatty	sgactyygck	gtcaagatgt	ctctgccatg	180
cccacgggac	gcacggacgc	acggacsgac	ggacggwctc	cacmarggta	ggaagccttc	240
ttcgakctba	mcttygstwc	caacacagca	cacagg			276

<210> 30  
 <211> 330  
 <212> DNA  
 <213> Murine

<400> 30  
 ggaattccat gattgttgaa ctactgggtc aaaactcaaa tgagggtgaat ttgcctttaa 60  
 aggacttact tatgctaaga accaactaat agccgtgaga caatcacgtc atagctacca 120  
 gtacaagtag agcaaatatt tatccattta gctctgagct ctatattata taatggagcc 180  
 ttaaatctat gtggttttta tcaatgggtt gtcttttgaa tggttgtgga aactgtagat 240  
 aaccttaacc aaggactgta caaacgtgaa ggtgtggtct yacwcttcag gtttaaagtg 300  
 tttgadgcat tattagcawt cattcacaac 330

<210> 31  
 <211> 455  
 <212> DNA  
 <213> Murine

<400> 31  
 gaattcaaaa tatttctttt ctgtctcaaa agctattatg tcccatthttg ggggtgttttt 60  
 tagctctacc tcagaaaaac aaaagaagaa gaaataaaaa ataaaagtca agaacgaacc 120  
 ctgaatttct aaggcttcca tccaataactt ctttaagctaa gtttaagattg aaattctttc 180  
 tcaggctaatt gctgtgtgaa gcaaacaaca ctcacattta gagcaagcat aatttcaaga 240  
 gatgccaaat ccaagttcaa aagcccacca gaggcagcgg ccatggccat gatgaatata 300  
 aagcatgaaa aggtgtgtct gtctccaggc ctctgtgaca ggaaaactgg ctggctgtyg 360  
 cagtcagtta aataagtctc acttcaagct ctkkbbcaga gccttctacc ctgctagact 420  
 gttgctaata taaacamgta gttctgtgtc gtgta 455

<210> 32  
 <211> 460  
 <212> DNA  
 <213> Murine

<400> 32  
 gaattccaaa aaattattta aaawaaaaaa aagttctttt gatctttccg tacagtattt 60  
 tagttgaaga ttagaattcc tttctctttg agaaagcaaa agttcctacc ttaacatctg 120  
 taaaaaggaa ataagaggcg cccaaggctg taggctctaa ggaaatkgcc gtagacttca 180  
 tcacagggca tctttgwtia tccagcaggg agttctgagt aggccaggct tctactaaag 240  
 ctgatttctg tgacctttta gatggggact gtcacctcat taaacatagt cacctttgkt 300  
 ttgaacagga aagttggtgt ttgtttgttt ktttttaaga cagagttgta ctgktatagg 360  
 cakkgbtttk ccttgagtta actatgtaga ccwggctagt gccaaaactta tcaaaatcta 420  
 tctakctytt bcyctwgagw gttkkgatta arggtgtggg 460

<210> 33  
 <211> 375  
 <212> DNA  
 <213> Murine

<400> 33  
 gaattcggag tgcttatgtt tgagatgatg gcgggaaggt ctccgtttga tatcgttggg 60  
 agctctgaca atcctgacca aaacacagag gattatctat tccaagtcac tttggaaaag 120  
 cagatccgca tcccgcgttc tctgtctgta aaagcagcaa gtgtactgaa gagttttctc 180  
 aacaaggacc caaaggaacg attgggttgt baccctcaaa ctggatttgc tgacattcaa 240  
 ggacatccat tcttcagaaa tgtgggctgg gacatgatgg gkbaaaagca ggtggttcch 300  
 ccctttaadc caaacatttc tkgggrgaatt tkgggtttgga taawttcgat tctcagttta 360

<210> 34  
 <211> 502  
 <212> DNA  
 <213> Murine  
  
 <220>  
 <221> misc\_feature  
 <222> (1)..(502)  
 <223> n = A,T,C or G

<400> 34  
 gaattccttg ggaatgaagg gcggaatgtg gctcagtggt gagtgggtcaa agtgtcccag 60  
 tgagggagaa gtctggagaa gggcagtggt gagacctgma amcctgaaag cagctgcact 120  
 gtacacttca tggccraagc atcaatcctg agtatgctgt cacatgttaa aacaactgta 180  
 cacattgaga caagcagaag tcacctgact ctctcagtggt gacagtgtt ctccwctcac 240  
 gccactgtac tgactgagga cggatcccac gttgggctgt ctgcctaaan tccanyttgg 300  
 rcmgcacacc ctgaggagca ggcaggcang gctctgaaag cagagcatga tccagtcaag 360  
 gctcaggsag cytcacahnn ctgaagraat catcagagtc acacttcctt cgtgtgtaca 420  
 accaggaagg aggatgctgc atgaacgcac tgagaattca ttcagtgaga ctctgagaaa 480  
 agagcctgac acgtogaatt cc 502

<210> 35  
 <211> 496  
 <212> DNA  
 <213> Murine  
  
 <220>  
 <221> misc\_feature  
 <222> (1)..(496)  
 <223> n = A,T,C or G

<400> 35  
 ggaattctct ttgcatagag gtgcagccct gggcgggccc gchdhkhkhc tcctccacgt 60  
 cctcggggac cctgggtctct gtcctctcct cactattgaa ctgagagcta ctgggggaaa 120  
 gaatgcaggt tggagaaaga ctccagggag tccaagctgg gcgagtcccc aggggggctc 180  
 ggctcgctgc tatcccaacc cgggctccsa gctgcccctg aaggcgcttg tcacaggcgc 240  
 gggtagctgt gaaaagagac gcgtgggcac caccacacag caggttgcag acagtgatga 300  
 cgaccactct gagggagbnc tggtagagaa ccacgtggat gggaccatga acatgttggg 360  
 aggbgtagc agtgctggch vgaagcccct caagtcaggc atgaaggagc tggctgtgtt 420  
 ccgggagaag gtcaatgaac agcaccsgca gatgggcaag ggtgccaaac acctcagttc 480  
 ggaggvgccc aagaag 496

<210> 36  
 <211> 424  
 <212> DNA  
 <213> Murine  
  
 <220>  
 <221> misc\_feature  
 <222> (1)..(424)  
 <223> n = A,T,C or G

<400> 36

ggaattcttc	cttcctttaa	tcttaagtaa	aagagacaca	gggattcaaa	aataaaaatt	60
tcttnnccat	tcccaggcct	gtaccacagt	ccctccatac	cacccttncc	ctctctaaca	120
gaagcaaggg	aggttcagct	taacagccgc	tggggggggg	tcagangggg	ggcttctgag	180
ctcagtgttg	gtctctttcc	aaatataaat	acatgtgtca	aaactkggga	actcctccac	240
acccgtcacc	ctgannccct	ccatttctgc	tgggtgttcg	gatgggggaa	gccaggcacc	300
gactggctgg	gvgtttactg	cacactttgg	ggcatkgggc	cccaccagtc	tcctgcygct	360
cgttddtagv	aagagatggs	acycvggggg	yhhccccgga	twggtkggga	ggctccctgg	420
atgg						424

<210> 37  
 <211> 496  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(496)  
 <223> n = A,T,C or G

<400> 37						
ggaattctct	ttgcatagag	gtgcagccct	gggcggcccc	gchdhkhhhc	tcctccacgt	60
cctcggggac	cctggtctct	gtccctcctc	cactattgaa	ctcagagcta	ctgggggaaa	120
gaatgcaggt	tggagaaaga	ctccaggagg	tccaagctgg	gcgagtcctc	aggggggctc	180
ggctcgctgc	tatcccaacc	cgggctccsa	gctgcccctg	aaggcgcttg	tcacaggcgc	240
gggtacctgt	gaaaagagac	gcgtgggcac	cacccacacg	caggttgcag	acagtgatga	300
cgaccactct	gagggagbnc	tgggtggagaa	ccacgtggat	gggaccatga	acatgttggg	360
aggbgtagc	agtgtctggc	vgaagcccct	caagtcaggc	atgaaggagc	tggctgtgtt	420
ccggggagaag	gtcaatgaac	agcaccsgca	gatgggcaag	ggtgccaaac	acctcagctc	480
ggaggvgccc	aagaag					496

<210> 38  
 <211> 424  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(424)  
 <223> n = A,T,C or G

<400> 38						
ggaattcttc	cttcctttaa	tcttaagtaa	aagagacaca	gggattcaaa	aataaaaatt	60
tcttnnccat	tcccaggcct	gtaccacagt	ccctccatac	cacccttncc	ctctctaaca	120
gaagcaaggg	aggttcagct	taacagccgc	tggggggggg	tcagangggg	ggcttctgag	180
ctcagtgttg	gtctctttcc	aaatataaat	acatgtgtca	aaactkggga	actcctccac	240
acccgtcacc	ctgannccct	ccatttctgc	tgggtgttcg	gatgggggaa	gccaggcacc	300
gactggctgg	gvgtttactg	cacactttgg	ggcatkgggc	cccaccagtc	tcctgcygct	360
cgttddtagv	aagagatggs	acycvggggg	yhhccccgga	twggtkggga	ggctccctgg	420
atgg						424

<210> 39  
 <211> 160  
 <212> DNA  
 <213> Murine



<400> 39  
caggaaatrg gacagtctcc aggckycaga ttggagggag crtaccatca cttgttgcac 60  
ggagtccccct gtkcctccgt ggggctcagg tkgkaagctd gcccctawgb cwgagcattg 120  
bcccattcct cygggggtrg gasctcsawa tbybgctttm 160

<210> 40  
<211> 533  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(533)  
<223> n = A,T,C or G

<400> 40  
gaattcggcc tgcacagact tctgggatgg cgctgacatc taccctctgt cgggttcaga 60  
cagaaagaaa gtgctggact tctaccagcg agcctgccta tccggctatt gctctgcctt 120  
tgcctacaag cccatgaact gcacgctgtc ctctcagctc aacggcaagt gcacgagct 180  
ggtgcaggtc cccggccaga acagcatatt caccatgtgc gagctgccc gcacccatccc 240  
catcaagcca aacaaccgcc gcagcagctg ghgctccgat gaagggatcg gggaggtgct 300  
ggagaaagaa gactgcctgc aggccctgag ckgtcagatc ttcattgggca tgggtgcctc 360  
ccagtaccag gcccggtgag acatcgtgcb cctcatcgat gggctgggca amncctgcat 420  
ccgctttgtg taccttctct ttggaggatg agctcaggag caaggtgttt gcaaaaaaaaa 480  
tgggcctgga raaaaggctg gaambccam atctcyctmh mbccaaccgg tga 533

<210> 41  
<211> 512  
<212> DNA  
<213> Murine

<400> 41  
gaattcaaaa tcactaacia ccataaaaagt aaaaaccctt tgagaattaa aatgaacgaa 60  
aatctatttg cctcattcat taccccaaca ataataggat tcccaatcgt tgtagccatc 120  
attatatttc cttcaatcct attcccatcc tcaaaacgcc taatcaacia ccgtctccat 180  
tctttccaac actgaactag taaacttatt atcaaacaaa taatgctaata ccacacacca 240  
aaaggacgaa catgaaccct aataattggt tccctaata tatttatttg atcaacaaat 300  
ctcctaggcc ttttaccaca tacatttaca cctactaccc aactatccat aaatctaagt 360  
atagccattc cactatgagc tggagccgta attacaggct tccgacacaa acttaaaaaag 420  
mtcacttgcc cactttcctt ycacaaggga ctccaatttc actcaattcc aataccttga 480  
ttawtatttg aaacaattag cctawtttat tc 512

<210> 42  
<211> 711  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(711)  
<223> n = A,T,C or G

<400> 42  
ggaattcgtg taagaagcaa gagagagaga gaaagagaga gagabayaya bnyanyanya 60  
nymnymnyab mhwgmrdsag nnnnnnnncc tgnnmcagnc catncagggg nntttttttt 120

tttccnactt	nagnancaag	ntggnnctgn	cttncnnc	aaactccna	ggnkgnnttt	180
attnaaggn	ctgnaagntc	ggntgncctn	cgccccntg	nttcnacco	nnaggnncca	240
agnaagnacg	ntcttntctnc	tgntntnccn	actctnnc	antaagnncc	ttnn catttn	300
nagncaagnt	cctgggnnaa	ctctctctnat	ngcttngcn	agncagnctn	ctnccccntt	360
necccnact	gntgntncca	gnsccnccat	ncgtccctaag	gtcatctcag	cagacgctgt	420
acgatgagca	cacagtcttc	cagtgaatc	cgccgtgatg	gtgatgagca	gcctcctcgt	480
gagaggagat	tgattttgtg	gttactacgg	agcttctcca	agagaaggat	gagtacagga	540
taggcagagg	atgcctctgg	gaccctcggg	gtacatggca	ctcacacctc	tcattgctgt	600
gacaggacac	ctgacagaaa	tgaccacgtt	tcaaactgt	gagccttttc	aggacatttt	660
aatagcaaat	aatgtkggaa	taggacatta	aatggtaggg	cataaacaga	a	711

<210> 43  
 <211> 455  
 <212> DNA  
 <213> Murine

<400> 43						
gaattcctgt	gctttccact	gtgtggctat	tggggggaag	tgctgtctta	agacattctg	60
atgtttctta	ccaggtttgt	tttcttcaca	gccctaggac	tggacaagaa	cagagtcata	120
gaaactgtct	ctctcagttt	ccgaagcctg	ctaggtgtac	ttggtattga	agctgctcta	180
gacagcctga	taagattggt	cagtggagat	aacaactagt	ctcccgcyyg	caaacacaca	240
ggaacattgc	tgggctgagg	aacattcaaa	atatgttgac	tatgagcatt	tctcttttcc	300
aattagaaac	catatccttc	agacatgagt	ttgtgtgcat	tagtggtata	ttacatatga	360
actcccatgg	cataaaaaaa	aatmmagcta	ttaagatatg	ttaatagtca	acatattttg	420
aatgttcctc	agcccagcaa	tgttctgatg	tttct			455

<210> 44  
 <211> 225  
 <212> DNA  
 <213> Murine

<400> 44						
gaattcgtga	cacatcctta	tgaaaagyaa	gggggtagtg	ctgtcactca	catgccagtc	60
gctaagaata	agcagtaact	aggaattatt	gagaagtgca	awccywgat	thaatcagyt	120
ctkaatctwc	agagccttat	agcmaacwag	aawwgcywgg	ayctgtagca	acttgggsc	180
acwkatkggt	aggwccwygg	tagtaacaag	agaggcacac	acttt		225

<210> 45  
 <211> 368  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(368)  
 <223> n = A,T,C or G

<400> 45						
gaattcgttg	tataagtcac	aaaaatctat	gatgaaaata	aaacgaacaa	acaaaaagaa	60
gaaaagaaag	agaaaaacaa	aacaatactc	caccacatta	ttcattctta	cagtgaatac	120
ataacttcta	agtccatcct	aagtgtggct	ttcttcttat	actgcattca	tcagatgttg	180
ttgcatgtct	gttagtctta	aaatgaactg	acaaatatgt	cttctctttt	tcagaaattc	240
agagtggagt	gtaaacatga	gcagaatagt	ctttttwaaa	ttttttacct	taaatccttg	300
aaggatatct	gcagttcacc	ctcctgcadg	gtcagtgtta	gaacctttta	atngctatmc	360
accatagg						368

<210> 46  
 <211> 376  
 <212> DNA  
 <213> Murine  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(376)  
 <223> n = A,T,C or G

<400> 46  
 tgnntcgatg gatccatcga ggcttgccctt tgttgcccttg ctcacctgtt gattgctata 60  
 gagtccctgg ggtccaggaa cctgcaagag atgggggtga aggcctccta tgcataagggt 120  
 ccatatcamg tgtgttgctt gcctgggtggc agcccacayt ttgtacccac ttcctctgct 180  
 ggctctagga gcctggaaca tgctcttccc cagcctgcct ctggctttcc ctgtggctct 240  
 actccgtgcc acagcacytg ggaagtcttt gtgtactaag tctcctgata gccagtkstg 300  
 ctttagartg tggccgctyc ccaccgctkg ccgggaccat ccatttcttc ttccttcttc 360  
 caggaagttg gagata 376

<210> 47  
 <211> 650  
 <212> DNA  
 <213> Murine

<400> 47  
 ggaattccat tattttaaact tattaaccac tcattcattg acctacctgc cccatccaac 60  
 atttcatcat gatgaaactt tgggtccctt ctaggagctc gcctaatagt ccaaatacatt 120  
 acaggtcttt tcttagccat aactacaca tcagatacaa taacagcctt ttcatacagta 180  
 acacacattt gtcgagacgt aaattacggg tgactaatcc gatataatac cgcaaacgga 240  
 gcctcaatat tttttatttg cttattcctt catgtcggac gaggccttata ttatggatca 300  
 tatacattta tagaaacctg aaacattgga gtacttctac tgttcgcagt catagccaca 360  
 gcatttatag gctacgtcct tccatgagga caaatatcat tctgaggtgc cacagttatt 420  
 acaaacctcc tatcagccat cccatatatt ggaacaaccc tagtcgaatg aatttgaggg 480  
 gggcttctca gtagacaaaag ccaccttgac ccgattcttc gctttccact tcatcttacc 540  
 atttattatc gcggccctag caatcgttca cctcctcttg ctccacgaaa cwgggtcaaa 600  
 cracccca ggggtttaact cagatgcaga taaaattcca tttcgcccct 650

<210> 48  
 <211> 327  
 <212> DNA  
 <213> Murine

<400> 48  
 gaattccggc ctttttttaa ggtgtaggga ccacgtgcaa atttcagcac agaccacagg 60  
 ttctaggagg ctctcttcgt aagttatata gtctttcaag aaatatcagc caaaagaaag 120  
 tggtttatta tttttctact tttcttgaaac ttggtaaaaa aaatagccat ctctaaatac 180  
 taaagtattt aagtctcaag ttatatcact tggatcact tctgtmctgt gtttcttttc 240  
 tttatmcca ccccttggt gtctgggagg ccatatgctc atkctgcaa cdytggtcct 300  
 gtgttaccag gctccagtgc tcctctt 327

<210> 49  
 <211> 297  
 <212> DNA  
 <213> Murine

<400> 49  
gaattcagaa ggtcctttat ccttcctca agcaactctt ggtttcctgt tagatcctaa 60  
ccctgatctt mtcagcagct gtctgtcagg cagtctccac cctgaaccac cttctgamct 120  
ctygccatct tttgcctaaa catactatct mctttggggg actaagggtta tgaactgagg 180  
gggagtggsc ctaggscct taaggtaggc cttctwcggg tctggggact aagaaaacca 240  
gaacttycct aagytgcctc tggvaagcct aaattccsst atgctcccc caaagca 297

<210> 50  
<211> 160  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(160)  
<223> n = A,T,C or G

<400> 50  
ggaattcacc accaccacna ccttcagctc atcggatgta cagtttacag ttgagtaaca 60  
gtgaacggaa ggattttctt tcttggtcgg atgtgcagaa cttgggatgt gtatatataa 120  
atatataata trtataaata tatdtaatnc ngacttaa 160

<210> 51  
<211> 532  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(532)  
<223> n = A,T,C or G

<400> 51  
gaatwcgttc ccatgtagga ggtaaaacca attctggaag catctnannc ttccataaat 60  
aactttaatw yttagcataa tdacngcctt ngattgtctg nanctcagta gctattaaat 120  
aacatcgagt aacatctgca tcaggchctc agaataataca gttgagttgg gagtaaaactg 180  
aaaagacaaa tgtgttgawg dcatatgccan gggaatctnd ctcaaagcct aacacagnad 240  
dcancctcat ccagtgacd atnytgagc tacagatggg gatdgcaaag gtgtagaaca 300  
cattttttca aagactaaat ctaaaaccca gagtaaamat ccgatgctca gagttagcat 360  
aatttgagc tattcaggaa twgcmgagaa atgcattttm acagaaatca agatgttaww 420  
ttttgtaaaa chawawwcac ttagamaact gtgtttcatt tgctgtaawc agtttttaaa 480  
agtcaratgg aaaaagcaac tgaagttcct tgaaaataga aaatgtaatt tt 532

<210> 52  
<211> 467  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(467)  
<223> n = A,T,C or G

<400> 52  
gaattcgcgg tgtggaggct ggtgctgagg cgcgggctgg gctggcgaag gttggtgact 60

tgtgtgcagc	cagtgcaggcg	ggtcacctgc	angggggcct	tgaatgaagg	ctgctaggcg	120
agatcagtga	agaaggaagg	ggcttggttg	gcggaggccg	gggagaatca	tggaggaaa	180
accngggbn	nbaggctgat	ggsggggta	ctgtagaagc	tgtccgagga	atctggagaa	240
angggagacc	ttngtttaga	ccgattttkc	aaanactgc	cccttggttg	agctaccccc	300
ccaaaacccc	tgdngdgc	ctgctaccga	caatgggcag	cctctggttg	atgctccctg	360
tctgtccaag	ctctgaccat	ctctatatct	agtgttgta	cctaggtctg	cctcactcat	420
tgaatggagg	aatgtttcca	gagtagggcc	aggtcttctc	aaagtgg		467

<210> 53  
 <211> 344  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(344)  
 <223> n = A,T,C or G

<400> 53						
ggaattcggt	tcataatatt	tattttttca	tttgggaact	ggggatattt	atttaggaag	60
gatgggtcag	ctcttttaaa	tctttgggct	cactgatggg	gtggggggtg	ggacacgggg	120
ttgaaggaac	ttgaaagtgg	ggagggaatg	tactattggc	atgggggtac	ctgggtattga	180
aaatggacac	atnhncyagc	tgagagtgat	gtcacthgcc	tgtaaaccoca	ttattctttg	240
ggatgctgag	gcaggaggat	tgagagttag	ggactaataa	tnrctagggtg	ctgacagtag	300
aacaggaagg	agggtagaac	ctgagttttg	tngcctcttt	taaa		344

<210> 54  
 <211> 402  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(402)  
 <223> n = A,T,C or G

<400> 54						
gaattcggag	acgctatncc	gcttccatcc	gtmdcdcaga	ccctgccgga	gccgctgccg	60
caatggatga	tggggaggat	ctgggtgtacc	aggcgaanst	ggcagagcag	gccgagcgat	120
acgacgaaat	ggntggaaatc	aatgaadraa	gtagcaggga	tggacgkga	gctgacagtt	180
gaagaacgaa	acctttttwat	ctngttgcat	atnaaaaatg	tgattkgatg	ccagaagagc	240
atcctggaga	ataatcagca	gcattgaaca	graggaagaa	aacaagggag	gagaggacaa	300
wttaaagatg	attcgkgagt	taccggcaaa	tggttgaaah	ctgagbytca	agttaatctg	360
ttgtgaacat	tctggatgta	ctggacaaac	acctcattcc	ag		402

<210> 55  
 <211> 525  
 <212> DNA  
 <213> Murine

<400> 55						
gaattcgaga	agacttacag	tggtggcctg	ataaggtatt	tgggaaaagt	ttataccttt	60
cattagagtc	ctaacaacca	ttcactccat	taaatgtttc	tgtttgattg	aatgagactt	120
ttataggact	ggtgaaaaga	ggcatcagtt	ttaaagtgtc	tatctgccct	ttgtttttaga	180
agcagaccac	tagagatctt	ctggtgcatt	cccaagctag	gtaccacatg	cacttgwtbc	240

ttgatgaaat	gaattagagg	attgggggtg	tagtctcagt	aacacatgag	aattggtaca	300
ttcttttgga	ggcattgact	ctdmcagggt	tgaaatgtca	aatggaccct	agtttctaca	360
gggcaagctc	tagtcattga	tgcaggggtg	atgtagggac	gagataaggg	ctatggattt	420
ccatttttatg	aagtacgttt	gatagaccct	gtgatgctta	gtagacaaaag	gagtaggcca	480
aatgagagta	ggggaggkkc	agaaaatagd	gccagaggta	aatty		525

<210> 56  
 <211> 457  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(457)  
 <223> n = A,T,C or G

<400> 56						
cgcggtattct	ttatcactga	taagtgtgtg	gacatattat	gtttatcagt	gataaagtgt	60
caagcatgac	aaangttgca	gccgaatata	gtgatccgtg	cbgcccctga	cctgttgaaac	120
gaggtcggvg	tagacggtct	gacgacacgc	aaactggvdg	aacggntngg	bggttcagcn	180
gccggvgctt	tacngdhvct	tcaggaaacaa	gcgggcgckg	ctcgacgcac	tggccgaagc	240
catgctggcg	gagaatcata	cgcattcggg	gccgagagcc	gacgacgact	ggcgctcatt	300
tctgannccg	gaatgcccgc	wgcttcaggc	aggngctgct	cgcctascsc	cagcacactg	360
gcggnntcg	agcatgcata	tagagggcc	aattcgccct	atagtgagtc	gtattacaat	420
tcactggccg	tcgtttttaca	acgtcgtgac	tgggaaa			457

<210> 57  
 <211> 506  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(506)  
 <223> n = A,T,C or G

<400> 57						
gaattcccca	aaactcctcc	tgcccaaagc	tcccnntagc	tactacactg	aatccacaca	60
ggcttggtag	aaaccacagc	ggtcgcccc	aatctgccac	agttaacgct	atatgtaaaa	120
cttgaacacag	actctyaaaa	cccctggtag	actthtagct	tcttgaggga	tcanttggtt	180
acagagtcag	tcaacatagc	aacntatdcc	tccnrggcat	cnnnggtacg	caccaacata	240
nngsyttgnh	hagccccgagc	cacacaacbs	ntcagbttac	nncgctmgca	gtachsvcnn	300
nardamgtgg	stgttynnwk	ggcrgcmctt	nntywcmar	cnkragcyrt	vkgnnnnnag	360
swkybntnsr	kawyyrkgsa	gccccaggac	aacaagccag	cagtttctac	ttctgcagct	420
ctttgttctt	aacagtctag	ctgacaagcc	accgttcact	cccaaatcca	ctcacccctat	480
tcaatagscc	tagargtata	tttaag				506

<210> 58  
 <211> 304  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(304)

<223> n = A,T,C or G

<400> 58

ggaattcggtt	ggcaccaggg	cgccactaaa	ttaaattgag	tcagcgcta	aatgggtctk	60
gcctgggtat	caggcgtagg	ttkgccagga	ttyygcttcc	ctaaatacgt	ttttctgact	120
tagactcatt	tgtaattatt	gttcatttca	tttgtgtttt	ttttcttcc	tcttttctct	180
ctctcdedhh	hnhcbtcctg	tcacaatgat	aacaatttag	cattccagck	caaaaagagt	240
ycttntttga	gaagcaaaak	caaggacaaa	gacaagtcty	cattggtcca	tccagctctc	300
tcaa						304

<210> 59

<211> 471

<212> DNA

<213> Murine

<400> 59

gaattccgct	gtcttcagaa	gagggcatta	gatccctggt	acagatgggt	gtgagccacc	60
atgtgggtcc	tggaattga	actcagaacc	tctggaagag	cagccagtgc	tcttaaccgc	120
tgagccatct	ctccaatccg	cagttattct	cttttacaaa	tatttyattt	ttacatgtgt	180
ttgtatgtgc	ttgtatgtgc	atatgtattt	gtagatatcc	accggagctg	aaattacata	240
caggtagctg	tgagcmccat	gtgagtgtgc	gggaatcaaa	ctcacttgcc	tttttcaaaa	300
tmagtccacg	ctcctaactg	ttgagccatc	tcctcaggcc	ccaactttct	gatattttca	360
aaataaaaagt	caacggtaca	tctatgggca	ggatcgagct	atatgmaggt	cmcagtactt	420
ccagggytca	cgadvtagct	aatgtatrct	cgggtgcttg	taagaactat	a	471

<210> 60

<211> 32

<212> DNA

<213> Murine

<400> 60

gaattcctct	gcatagcaag	tgctaggasy	at	32
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<210> 61

<211> 333

<212> DNA

<213> Murine

<400> 61

gaattcccaa	attttgggta	aaaataaaaa	attattctcc	ggctctacct	cgctcccca	60
aaagataccg	agagccacat	gtgtgggttt	taccagtacc	cacgggagga	atcggtcca	120
tgtccaccca	agccaagggt	aaaagcccac	tcatctacgg	atgagaaaat	caatttgaat	180
cacctcagtt	aagcgttgcc	ttaatttaac	ttaattaata	agggggggag	aragattgga	240
ggacvatact	aattgaaarg	ggcaagccct	thacwgccyc	ccaacccaaa	atwaaaarg	300
ccggyygaac	mgsetttcty	ccctkgwtyy	aaa			333

<210> 62

<211> 365

<212> DNA

<213> Murine

<400> 62

gaattccccg	gctcdagcgg	ccgctttttt	ttttttttt	tagttttgtg	tcgtttaatt	60
aaaaaaaactc	aacagggata	aaaaaacaag	cattttacat	aatgcataca	ttctcaacat	120
ctgcagatga	gataaataaa	agaaggctaa	agcagacata	ctgtgtattg	cttctctttg	180

gtaagttacc	aatatacctct	gcagaaataa	aatatgttaa	aaacaaaacc	catggmttta	240
aaataattgt	cccttagtat	taacchaaat	attcagcaat	aattacagta	gatgtagttt	300
tcaaattggc	aagaatgcat	aatactttat	tctctgaggg	gtaagtagct	gctttccaaa	360
attaa						365

<210> 63  
 <211> 331  
 <212> DNA  
 <213> Murine  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(331)  
 <223> n = A,T,C or G

<400> 63						
gaattctacc	tggccacctc	agacaaggag	aggaadgaag	atwgggtccga	gagctcatgc	60
aagtcgtcct	ggctagaaaag	ccccaaatgt	gcagcttcct	ggagtggagg	gacctcaaag	120
ttgtctataa	gaagatagcg	cartctctat	ttctgctgcg	ccatcgaagg	gccaagacaa	180
cgagctgac	acactggarg	ctgatccacc	gatacgtaga	gctcttggac	aagtacttcg	240
gmarcgtatg	tgagttggaa	cawcatctty	maactttkag	gaaagcctam	ctttawtctg	300
grmsgagdtt	tytkawtggg	tnrgggaatg	a			331

<210> 64  
 <211> 554  
 <212> DNA  
 <213> Murine

<400> 64						
ggaattcctc	gctgcggctg	cgggatgggt	ggcggtgggc	ggaagcgccg	gacggccggg	60
gcgggaccgc	agttgtgaca	aagacttttc	atgggtgcagg	cttggttggt	ccagtagata	120
aaaatgatgt	tggttaccga	gagctccctg	aaacagatgc	tgaccttaag	agaatctgca	180
aggcagttgt	cgacgctgca	agssaccgag	gagagactga	aagcattcgc	tcccattcag	240
gagatgatga	cttttgtgca	gtttgcta	gatgagtgtg	attatggcat	ggggctggaa	300
ttaggaatgg	acctcttttg	cyatggctct	cattattttc	acaaagttgc	tggtcagctt	360
ttacctcttg	cgtataatct	attgaagagg	gatctgtttg	caaaaattat	tgaagatcat	420
ctggcaagca	gaagtgaaga	gaacatagac	cagcttgacg	gatgaacaag	ctgccctgtt	480
agtgcagtg	ctttgaagtg	ggaccagcag	acggggcttt	gtttttaagg	aatggagaaa	540
taaatgaatt	ccmc					554

<210> 65  
 <211> 333  
 <212> DNA  
 <213> Murine

<400> 65						
gaattccctg	gaggagctca	tcgactacac	cggcggcctc	aagcacgaga	tcctgcagag	60
ccacgggtcaa	gatgctgaat	tatcagggac	actttcactt	gttyctgaca	cagtgtctgca	120
aaagaataaa	ggacactgtc	cagaagttgg	cctctgacca	caaagacatc	catagcagtg	180
ttctcgagtt	ggaaaagcca	ttgatargaa	ttttgattct	gacattaggc	argtkgtggg	240
gaatwgatgg	yytgctkgcc	aggccagrac	agccmaacgg	cttctcaatk	gaggtcatkg	300
gktggraaca	ackttctttc	cggaccaagg	raa			333

<210> 66  
 <211> 439



<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)..(439)  
<223> n = A,T,C or G

<400> 66  
gaattcggttc gtgcatagcc tccacactag ggttacagat tactgtgtgt ggggtgtgtgt 60  
gcgtgtgtgt atgtatgaga tatatactgc tagctcccca gaactagtct gtggggatca 120  
tcttcctggt taactgatgc acggcccaag ttcggcaaca gcatctcaag gcagggtggtc 180  
ccgggctgta taagaatcta gccaaagcatg agacaattgt tttcctagct gatgcattgt 240  
atttacaaat tagaacatgt caagacagca agtcttctcc ttagataatt ttcttggtat 300  
ttcaaatacc tacagtgcnc tgacttcaac sctggggrrd arggarardr vcacaaccct 360  
aaatacytgt ggcggctaas cgaacagaar ggggcatgtg gtgaagacca rcctgggcta 420  
tatgggtgaga attccacca 439

<210> 67  
<211> 537  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)..(537)  
<223> n = A,T,C or G

<400> 67  
gaattcccgct atcatgggtt gtctaatacct taggaagcga cctcgttggt tttccttttag 60  
gtccaggtag tatttcctat tgtccctctc tatatagtc gttttgagga cactgtgagg 120  
atgctcttct gacccactg acaccgggtg ggagggtgca gaatgcttct gcygcctcct 180  
ggagacttgc tctttgctct ggccatgctc ctgtctgtgg cctttcaggc ccagatgggc 240  
atagtgtctg atgaagtygc ctagacagtc cttagctct gctgctaccg acaggagag 300  
ggtcagttta ctctttctga tattgtcctg ccggcctctc cctatccaga ctttyggctat 360  
cttttaggaag cnnbcccggg agctctgctt cactctagtg taaaaccyct ttttytsgat 420  
gtccacacgt ttggaggcta gctcctggat ttcsgatgtg ccccagact gattaggggt 480  
bgctgahtcg gagtagtkgg gggtagttag aatdctgggb ctggggatag aggctac 537

<210> 68  
<211> 435  
<212> DNA  
<213> Murine

<400> 68  
gaattccctg gttatgtggg gataaaaatc ccaggcagcc tctaccaga tgccagtcac 60  
ctagtaaaaa caacccttta tagtttttta aacttaaaaa gacaacgctt gaactcagaa 120  
atgtaatttc taactcaaca ctaacctggt taatatatta taactgcagg aacaagtggg 180  
gagggggcac gatgacagaa tcgattagga atttttaact gttgaatgca cataagaagc 240  
catcagccaa atgaccaaca aagcagtctt aaaaattcat caggcctgag taatcgaact 300  
tcagtaactt aaaccaccca tggggcagtg tgcattgaaa tccctcttkg cbcctcccta 360  
aggagagcag tctaaagaac agataccact tcttgckaat tccaccacac tggckggccg 420  
ctcgwgcatt catct 435

<210> 69

<211> 317  
 <212> DNA  
 <213> Murine

<400> 69  
 gaattccaga ctgacccggg cagccaaggt gttggagcag ctcacaggcc agaccccggt 60  
 gttctccaaa gctagataca ctgtcaggtc ctttggcatc cggagaaatg agaagattgc 120  
 tggttactgc acagtccgcg gagccaaggc agaggaaatt ctggagaaag gcctgaaggt 180  
 gcgggagtat gagttgcgga aaaataactt ctcggatact ggaaactttg gttttggaat 240  
 tcaagaacac attgacctgg gcatcaaata csacccaasc atkgggatct acsgcctksg 300  
 amttctatct cctbctc 317

<210> 70  
 <211> 340  
 <212> DNA  
 <213> Murine

<400> 70  
 gaattcggcc gagcgccgt tttttttttt tttttttttt gaggcgggca gctaaggaag 60  
 gttggttctt ctgccgggtc ctcgaaagcg tagggcttgg gggttggtct ggtccactgg 120  
 gatgatgtga tgctacagtg gggactcttc tgaagctggt ggatgaatat agattgtagt 180  
 gtgtgggttct cttttgaaat tttttttcag gtgacttaat tgtatcttaa ataacctacc 240  
 tataagggaac maagggaagg tggctttwat tkaccctgr aagggaadtt tyttctgggt 300  
 grataggctt tttwttwttt ttccaagtta agagggtact 340

<210> 71  
 <211> 398  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(398)  
 <223> n = A,T,C or G

<400> 71  
 cgcgatagaa gacagacnng btagagaggy ggagyaayyc agcagcagaa tncttgccga 60  
 gcacgaagcc ccagcttcca tcctctctgt tgcaagaaat aaattaattt taaagtgcc 120  
 tttaaaataa aggcattgag ccagggtggtg gtggagcaca cttttaatct cagcacatag 180  
 gagtcagagg cagggtggtc tctagagttt gaggcagcc tggctctatat aaagtgagtt 240  
 caggacagcc aggggtttgtt acamaagaga aaaaaagatg ttgtaatttg gagtaaaaca 300  
 aacacaaacc gaagaatctg ttacaggaat aatktgagag agtcacygct ttagratgaa 360  
 tactgtgggg ttttctcygt gtgttcttgg ggtgtttt 398

<210> 72  
 <211> 618  
 <212> DNA  
 <213> Murine

<400> 72  
 gaattccccc taactgcttc ctgctagaac atcaatttac tttatcaagt tcatactcgt 60  
 gctttgaaaa gaagaacagc aacacaccac agcatccatc gggcctgacc ttctcaaagt 120  
 aaacacagag gggcctctga aaggcaagaa ccattaactc ttaaaattct tcctgccttg 180  
 gagtggaggg ggtggggagg cagtggatac gtgtgcaggc atagtagtga cagaactcag 240  
 ctgatgttct ggggttgggc ctgggagaga tatcatagag gactcggccc atttttactc 300

tctggcctaa	agattttgaa	ataggacca	gttggtccatg	aagaggggct	gagaagccag	360
aaactggtat	tatagcataa	ttttagaact	ccgtgtgctg	tgatgagatg	ctgccaggct	420
gagctgcbgc	ctctgagatg	ctcggcagtc	agagtgttgc	taagaaaacc	cctcagtata	480
ggaacagact	ctaggtgcct	gacatttgtg	gctctagcat	ctatatcaa	tagttthcac	540
atgataggcc	tgtaaaacat	atgtttctga	ggacaagaca	tttctaagag	agctctggag	600
gttatttgaa	caggtttt					618

<210> 73  
 <211> 531  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(531)  
 <223> n = A,T,C or G

<400> 73						
gnggcgcagt	gtggtvpmat	tcttatacaa	accgacaact	gtcaccaaag	cttataaaaac	60
acgatagtac	tgtccctctt	ttctgaacca	tcagaagaca	caaaactggt	agtgacacaa	120
acggtgacag	gtagctggga	cctaggctat	cttattatga	aggttgtttt	gcttggtgta	180
tatttgtgta	tgtagtgtaa	cgaatttgta	ccatagagga	ctgtccgtaa	ctactgttta	240
gcttctacac	attgaaatgt	agatgtttca	ttggctgtct	gaaaagggtg	ggcttgtcct	300
tcctagagag	atctacttaa	aaactgcttt	gtgacaaaaa	ccacacctga	agaaatttta	360
agaatttggc	ccagttagtc	actctgtgta	atcccggaa	ctagctgctg	aagtcttgcg	420
aagtaaaactc	cccgtagaccg	atgtcagtta	agctgggtgat	acctggagad	gtggtcagtt	480
gctaaggaag	tggatttccc	agtaggggtt	tctgcacctc	acctgtatag	g	531

<210> 74  
 <211> 491  
 <212> DNA  
 <213> Murine

<400> 74						
gattcgaaca	taccacctct	gccccatava	ctgttctctc	cgggggaaaa	aatggaagt	60
tacctcacag	ttcactgccg	tggtatttca	tctgtcccat	gctttgcatg	attgccatgg	120
tacagcattg	tttcaaactg	ttcactgtga	tctgtgggtc	tttgagtttc	agtgagtttg	180
ctgaaatgtc	gaagaaatat	ttccaaactt	caatgttcaa	tgaaattttt	gttcaagttt	240
gaaatggaga	gagcagcttt	aaaagggtact	aagcctttta	caaattggtg	agtactggca	300
catgagacct	agagcaggac	caacttctca	cacatagtca	gtgggaaaaag	aaagtgcctt	360
gaaagtctct	ccctcmcta	cacagtagtc	gtcatgtcga	gacctgccag	agagagacac	420
attctcaagt	gaatcctggc	ttcttggaag	cgcccttsct	agacgagaca	cagtghcatt	480
aaaacaactt	t					491

<210> 75  
 <211> 389  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(389)  
 <223> n = A,T,C or G

<400> 75

ggattctctta	cataatttga	aaggaggcan	ngtctcacta	tatgggctaag	gctatcctgg	60
aacttgcat	cctcctatct	cagccttcca	agtgc tagga	ctacaggtgt	gtgcatctcc	120
actatcaggc	ctcacttgta	gatgggaaac	aggagtgcc	catctgagaa	tatgcatggc	180
ctcactaata	aagccaggac	cacaccacag	cagtccaggt	tgtctbcggc	gatgggctga	240
ccttctggga	catatctact	ctatgtccaa	gccaaaggaca	ctgmctttcc	ccatgtgaac	300
ctagtctca	gaaatgagcc	aycccttcga	atggatttat	gccactggat	gtgaaaaggg	360
atgctgttgt	tttgttattg	ggaagccct				389

<210> 76  
 <211> 605  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(605)  
 <223> n = A,T,C or G

<400> 76						
gaattcgctt	gcttcaaagc	cagccttttg	gatttcagat	gagccgcggg	tacccgcaat	60
ctatgtgcca	ggacgccaga	cccgccttatt	gaaatcagag	ctctattttg	ccggctggga	120
cccaccgccc	agagccacct	agggtgctagt	cgagggcgca	cggagctgag	ctctcccgcg	180
gctcctgcac	ttccttcggg	ccggcctggg	cttggcactc	gggctgcttg	atttggtggg	240
gcaagaaagg	tatgcgttgc	atacgcccta	gccctttgct	ccaacgctct	cagccccctt	300
ggctcagaca	gtccactcct	aggctctgggt	ctcacggcct	tccctgcagc	tggcttagct	360
gagaaggcgg	tgagagtgcg	gtcagcagtt	ttggaggaga	aagtgcgggt	tgattattga	420
cccacgcctt	ctttcttcaa	atgccacatc	cgaccctgag	ggtttgaaga	gaaaaagcgg	480
ccgagcbghw	ttnnycggcc	ggctctcacc	tcctamacgt	cccgggctct	tccctttcaa	540
gttgcgccgc	tgcaatctgc	cataaggagc	aagtgtttgc	tgttttgtgc	tctgtttaca	600
gcttt						605

<210> 77  
 <211> 465  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(465)  
 <223> n = A,T,C or G

<400> 77						
gaattccta	gcgtgcgcga	gtcagggggt	cgtccgaaa	ccgccgtggc	gcaatgaagg	60
tgaagggcc	cgcccgggg	gcccagagtg	ggatcccag	gcctctccag	tccgccgagg	120
gcgcaccacc	ggcccgctct	gcccgcgcg	ccggggaggt	ggagcacgag	cgtacscgtt	180
taggaccoga	aagatggtga	actatgcctg	ggcagggcga	agcagaggaa	actctggtgg	240
aggctcgtag	cggtcctgac	gtgcaaactc	gtcgtccgac	ctgggtatag	gggcgaaaga	300
ctaatacga	catctagtag	ctggttcctt	hcnaagtttc	cctcaggata	gctggcgctc	360
tcgctccoga	cgtacgcagt	tttatccggg	aaagcgaatg	attagaggtc	ttggggggccg	420
aaacgatctc	aacctattct	caaacttta	atgggtaaga	agccc		465

<210> 78  
 <211> 681  
 <212> DNA  
 <213> Murine



<400> 81  
attctcaggc ctccttagtc actgagacca ggctcttccc atcaaaactcc ttgagctgct 60  
gcacgcagta ctcgtcaata ggctcagtc tatacaccac ctggaagccc cgcttccgca 120  
ctcgtccac aaaggcagag ttggccactt gctctttgct ctcaccagt atatagtaga 180  
tggacttctg ggtctccttc atgcgagaca cataactotga caaggaggct atctcatctc 240  
cagactgaga ggtgtgatag cgaaggagct cagagaggcg gcbgcggtta gtggaatctt 300  
catgaattcc aagctttaa ttcttgaga aggcctcata gaacttcttg tagttctcct 360  
tgtctcagc cagctcggag wakatgctyc ahggcacttc ttgacgatgt tcttgcggtat 420  
ga 422

<210> 82  
<211> 383  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(383)  
<223> n = A,T,C or G

<400> 82  
cgcagtgtgt sntcgcattt agtttttttt tybbgcacct tattcctgtg gtgtcttcac 60  
tagagataat cagggtgcc aactgcttc ttactttgat accttttagca aaaatcccaa 120  
tgaggtaatt tatggtttag taaatgaact caatagcttt tktgtttcaa gagtccaaca 180  
atcctaattc cttgaacttt ttcttagagg ttatatatttc caatcttggt tttgtttctt 240  
ttaawtttgt tcyttawctt tctctcatte tyacgkkatt tctgaaacaa cccccacta 300  
ggaawttgag cccmcagttc aattkgacct cacctcctaa gaagtgggsc ttcttttcag 360  
tggaccacca ctwaaaggra aac 383

<210> 83  
<211> 609  
<212> DNA  
<213> Murine

<400> 83  
gaattcctgt gggcaatgac acacacacac acagagttag ggagagagag acagatacac 60  
acatacattt gaatgaaatt ttaatttaac tcatgtaatg cccttgagac atggaaaacg 120  
cagttgtgag gttaaaccat acaagcttaa gactttgaca gcatcaaatt gatcaccacg 180  
tttactgtca gaagcacaga attcatggtt toccaatttc tttcctacgt tagataagct 240  
tgctagtgtg gagtttgtca taggcgatgt cttgttcaga taggctgtta acgattcaca 300  
gttgtttcta attaaatatg agtttttaag ttattgatgc ccccatgtgg tgaaaagcgt 360  
atctttcctc tgttagaact tggaaatgac tatattttca ttttaataaa agtggataat 420  
aatgtttttt ggaaatgctg ttgatcaggg acataatttg aattttgtta agctcattgc 480  
cataaaaattc acagcctcac cctgtgttgt ctcagaagtg catgtaacca agcacgccca 540  
ttgagacaaa gtataagaga gactgagtta tagaatagcm tagggcttth tcygatccat 600  
gtttgdtga 609

<210> 84  
<211> 325  
<212> DNA  
<213> Murine

<400> 84  
tcagaccaac atcaatcgat tcattaaata tcttacacta ttcttgatta ccatgcttat 60  
yctcacctca gccacaaca tatttcaact tttcattggc tgagaagggg tgggaattat 120

atctttccta	ctaattggat	gatggtacgg	acgaacagac	gcaaatactg	cagccctaca	180
agcaatcctc	tataaccgca	tcgagacat	cggattcatt	tagctataag	tttgattttc	240
cctaaacata	aactyatgga	gaacttcaac	agatttatatt	ctccaacaac	aacgacaatc	300
taattccact	tatagggcct	attaa				325

<210> 85  
 <211> 360  
 <212> DNA  
 <213> Murine

<400> 85						
ttcgatggat	tccatcgagg	cttgcccttg	ttgccttgct	cacctgttga	ttgctataga	60
gtccctgggg	tccaggaacc	tgcaagagat	gggggtgaag	gcctcctatg	cataggttcc	120
atatcagtg	gttgcttgcc	tggtggcagc	ccacatttgt	accacttcc	tctgctgctc	180
taggagcctg	gaacatgctc	ttccccagcc	tgccctctggc	ttccctgtg	gtcctactcc	240
gtgccacagc	acttgggaag	tcttggtgtac	taagtctcct	gatagccagt	gcgctgcttt	300
agargtgtgg	ccgccttccc	accggcggtg	ccggggacca	tccatttctt	cttccttctt	360

<210> 86  
 <211> 456  
 <212> DNA  
 <213> Murine

<400> 86						
gaattcgttt	cctgacatca	agaaaacact	gcaagttccc	aggacaacgg	ggacagagct	60
gaagctgggg	acagaagcag	ggtgctccct	aggctacttc	tgtctgggtt	tccagccacc	120
cagaccctga	cttggggcgt	gagtccttaa	aatagctaca	gtacaagtag	gtatatgaaa	180
gtggagtgtc	cttcagagtt	caagctacta	caaaatgata	cctgtcccct	ccaggggaatc	240
ccaattcaga	agtcagaatt	aaagtggcca	attatctctg	agacagggag	agagagacag	300
ccttggaacg	ttgcatccat	gaggacagta	atttgtaaat	gctaaatggt	atcccccttc	360
atacaatgtg	gcaaggsata	tatgtcttaa	aaccagcttg	agccaggtat	ggtgatacac	420
yyctgcaatc	caaacamytt	gggagggcgt	gagaga			456

<210> 87  
 <211> 274  
 <212> DNA  
 <213> Murine

<400> 87						
ggaattcgat	cggcctatcc	cactaaaactg	ctggctggag	ctctgagagc	tcctccctgc	60
tgaggcgggtg	ctgctcgccc	cgtaagtgcc	agcagcatat	tcctgcgcgc	tgtagccact	120
ggttgccata	ggcagctgcc	ccataggtgc	cttgagcata	ggtgtatttg	cctgcttctg	180
ccccaagggc	agaatttggtg	cttccatagc	cactgccatt	agcataactg	gctctatcgg	240
gtttccacta	csgatccctg	taagcttgta	gaat			274

<210> 88  
 <211> 521  
 <212> DNA  
 <213> Murine

<400> 88						
gaattcgtaa	aaggaggcct	cgaatctgag	tgacaatggg	cccttctact	ccagggacaa	60
tgattgtatc	cccttccttc	aaacgtccat	tgatcaatat	gacatctatt	gtggtgcccc	120
ttcctgggag	agctttaacc	tccatgactt	gtgctctcag	ctcttcacag	tgtgcaagcc	180
tcttgctcaa	catggtttga	gttaactcca	caagaaggta	gatgagactt	cccagcccat	240

caccagtatg	tgcagaggtg	ggtaccaagg	acacgaaagt	gcggggggatc	tttattctca	300
taaaacaaag	cagcattcaa	accctgctgt	gcaaattcta	caataatggc	ctttgcacgc	360
tcctcaaatt	cctcctttgt	atccttcttc	tgctttttta	aagtaacagc	cwcatctagr	420
atcaggastb	tttyttccaa	tcatataacc	tgttcaatct	ttattaagtg	caacaatgaa	480
ggggcacttt	ttagatttga	gaatkttgat	tgattcaatt	g		521

<210> 89  
 <211> 575  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)..(575)  
 <223> n = A,T,C or G

<400> 89						
ctcagctatg	cadvvvnntg	gtacgagctc	ggatccacta	gtaacggccg	ccagtgtggt	60
ggaattcttt	tttttttttt	tttttttgaga	cagggtttct	ctgtatagtc	ctggctgtcc	120
tggaactcac	tctgggatca	gggtggcctt	gaactcagaa	atctgcctac	ccctgcctcc	180
caagtgtcgg	gattaaaggc	gtgcaccacc	actaccgcc	ggccactgat	atgccttaag	240
tgacagacat	tatgcttgtc	aattagcttt	cacaaacagt	actgtctcta	caaggcattc	300
agatacaagg	agcctcaagt	atctcctacc	tgataagtc	tgtcaagagg	ctgcacttca	360
tatgggggtca	tttataatgt	acatgatttt	atttgatat	tactactgat	catgtaccag	420
ggaaactatt	ctcagaaccc	agtttttgtt	ggaawacaaa	aagtgcaata	tatgactcaa	480
gtgcaaaaara	aatcctccaa	ttttattttct	gtaaggacag	gctgggcctg	atgcacacag	540
gtccctcccc	ggactagtaa	ggcaaratgc	agcta			575

<210> 90  
 <211> 449  
 <212> DNA  
 <213> Murine

<400> 90						
ggaattcttt	tttttttttt	tttttttttt	tttttagaac	aactcagcaa	aataaaattc	60
cggtttattg	ttggacattg	tttcacacat	acatcaaaca	ggccaaaaaa	aaataaacag	120
caacttcata	gacagaaaga	aaaggaaaaa	aaaaatcttt	ttatcttttg	cctttttaac	180
catctcatac	aaaccaacta	cttatagtac	agctaggtag	atacacaaaa	gttactggaa	240
tgctcggaat	aagattgttt	ttttgttggt	gtttttgctt	ttttttacaa	ggtttttttt	300
ttctcctttg	agattataat	gaacatggtc	acaccacaag	taaagtctga	agtaggacag	360
aaaackctct	gaaggctggt	ttggtcaccc	gttatcatta	aaaatggctg	gacccttaac	420
aatatgtttac	aaaaatttaa	aatgttaat				449

<210> 91  
 <211> 487  
 <212> DNA  
 <213> Murine

<400> 91						
ggaattcttt	tatcataaaa	gtgttgacgt	ttatttatta	tagcaccatt	gagacatttt	60
gaagttggaa	ttggtaaaaa	aataaaaaca	aagcatttga	cctgtatttg	gtgggtgaaa	120
cagcaaaaaa	ttgtattctt	tttttgtcaa	attatgcttt	ttccaaaagt	ttggaaataa	180
ataactggaa	tttagttggt	cacttgcaat	ggttgataag	attaaaaca	gatgaacaca	240
tggtatgtgt	ttttgttttg	ctgggggttc	agagagtttd	gcttataaaa	agcaaacagg	300
kccaatgtcc	acaccaaatt	cttgatcagg	acccccaatg	tcataggggtg	cgatatctat	360



gatgggtagt	ctcattddcct	tgcgtgtttg	atattcaaag	actgtottdc	dccattcccc	420
agtgtgttta	gtacagccat	tcctctagaa	ctgtgtaagt	gaatttdctg	tttccttcca	480
gccttga						487

<210> 92  
 <211> 399  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(399)  
 <223> n = A,T,C or G

<400> 92						
ggaattccag	atcagctcca	acccgngct	ggcagccatc	tttgaaagta	tccagaaaga	60
ttcttcgtcc	accaacttgg	aatcaatgga	cacgagttag	atgtgtgcnc	cccgtgagga	120
ccattccatg	tgaccgcaca	atgcactgaa	cgacaggttg	accacagcca	cgggagagaa	180
gtgtccagag	cttcacgatg	ttccacttta	ctttccttcc	cgggaaagttt	gtttggcttt	240
cttcatttgt	tgtttttgta	gcttttwctt	cagaagctctg	tatttccata	agccagaggt	300
tgtaaagcca	ctgatgtttt	tagtggttag	ggcaacattt	gaaatgggaa	cttaaddnct	360
tggatttatg	aatgtggaa	atagggtcca	gtatctgtt			399

<210> 93  
 <211> 343  
 <212> DNA  
 <213> Murine

<400> 93						
gaattcccg	gatttcatga	tttaaaagga	aacatggtgg	tattaaccca	cttggcaggt	60
gtcaaactct	catgaccagc	ttaagacaga	tcctagacgg	aaagggaggt	gcagcccaag	120
tcagggtctt	ggggtgcaca	gggagccagt	aaggaggaga	cogtctgggt	ttcttcccag	180
atgttaacat	cttcttggct	cttactcact	cccacccttc	ctcgtaaaca	aatcaaggcg	240
agccctctaa	ggctggagat	agcccagtc	agctcagatt	taataactcta	gcccttcccc	300
ttgtgttatt	ttthmcmagc	tgccttctgc	ctccaacata	tga		343

<210> 94  
 <211> 203  
 <212> DNA  
 <213> Murine

<400> 94						
gaattcgaac	aggccaatsa	ggagcttcga	gaacttaycc	agaatgtsaa	agacttsctt	60
cagccgtgag	cctcccatgt	ggcccaggcc	atgtgcttgc	ttcccttggt	tctgtgtgta	120
cttgagtctc	ggtgtctgca	atggacatgt	gtttatracc	ctatgtctgg	ccctgagtc	180
ctgtccagtc	aatgtsccta	agt				203

<210> 95  
 <211> 441  
 <212> DNA  
 <213> Murine

<400> 95						
gaattccctc	ctcccgcagt	tgacaagcca	agccgcacgc	tagcttcatc	accaactcgc	60
tctcgtccca	ccatcctgga	accctttccc	agcttcacca	ccacatccgt	atggctcctt	120

cttcctagct	tcctccaccg	aaccgcactc	tttcctgggc	tatcttcacc	atgcactgct	180
gotgchggct	cctcagtcct	tcctagcttc	accaaactgg	cttcgggact	cctgtctgcc	240
gctcctgtct	tcctagttca	ctgaatgcac	ttctgtgtag	acctgggtca	gctgccaatg	300
ctagtcgtta	ggattttaaa	agcacctcag	ctcaagtcca	atgcaaaatg	ctgacaatct	360
tgaactggt	atcaaaagtc	cttttgtcat	caagcaaaat	taagctacaa	gttaaggctt	420
ttaatatctt	ctaactctta	a				441

<210> 96  
 <211> 390  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(390)  
 <223> n = A,T,C or G

gaattctgga	agtgtgagcg	tctctggagc	agattttttc	cggggccggt	ctttgggaat	60
ggacagaaat	tctggcgcat	ctgtggagag	aggggtggat	ggggcgctgg	agggggcgct	120
gcgcaccgag	gaaggcgagta	gggcgatgct	ggagatagaa	atggccggtg	ggaaawhgcc	180
aatcttcttg	ttggtggctt	cctgagtggc	tctttcgaac	tctcgcaact	catccattgt	240
catgtcttca	aagggaagag	cggagaaaag	aatagttact	gttcggacbg	gcaaattgggt	300
twhnhnnct	aaatctgggg	acactaccat	gaagctgatg	cctacccaat	cacaaacttg	360
acatgtcttt	gaaatattag	accctcattt				390

<210> 97  
 <211> 426  
 <212> DNA  
 <213> Murine

ggaattcctc	ggtcatcact	gggaagagag	gcccctttgt	cttaaaattt	ttatatgccc	60
cagtacaggg	gaaggacagg	gccaagaagt	gggagcagca	tggggggggg	tgattttcgg	120
gatagcattt	gaaatgtaaa	tgaaaaaata	tctaataaat	tttttaaaaa	gccagatgtt	180
aaaatgtgac	aataaataaa	taaacaaaca	aacaaataaa	tgttttacaa	cctaaaaatt	240
ttaaagaaaa	aatgaaaagt	ggagatgagg	gcccgaattt	acctaatttt	actgctgcat	300
cctattggaa	aataagtaac	aaaaactgtg	aaattgttgc	atgttttctt	ggtattttgt	360
ttaatgaata	gtttctaaac	dcagaaatcc	ttgtggaggc	agcgcagagt	aatgcattga	420
tcatca						426

<210> 98  
 <211> 385  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(385)  
 <223> n = A,T,C or G

tctgagacaa	ggtcttagtg	tacacggcct	gcatgacctg	gcctcctgct	taaagaaatc	60
ctcttacctc	tgcttcccaa	acgtctgggat	tacaggaaca	tgccaccaga	tacagccaaa	120
atcattacct	tttcttttct	cttttcagta	ccagggtcct	acacatgcta	ggcaaaactct	180

ccaataactag	ctacacccac	agctcagcga	cacaagctcg	tctcttgtgc	ttgagtctac	240
agtgaagtt	gactcaactg	aaatgtttac	cttggtgatg	ctgtaacact	gtctgagtcc	300
agaaggtttt	cagtcacctc	taactgcagc	acctctggca	tnyngtctga	cttttctaca	360
ccttcttctg	gaagttcttc	tatat				385

<210> 99  
 <211> 299  
 <212> DNA  
 <213> Murine

<400> 99						
ggcggtaggc	gagcagcgcc	tgcctgaagc	tgcgggcatt	cccgatcaga	aatgagcgcc	60
agtcgtcgtc	ggctctcggc	accgaatgcg	tatgattctc	cgccagcatg	gcttcggcca	120
gtgcgtcgag	cagcgcccg	ttgttccctga	agtgccagta	aagcgccggc	tgctgaaccc	180
ccaaccgttc	cgccagtttg	cgtgtcgctca	gaccgtctac	scgacctcgt	tcaacaggtc	240
cagggccgca	cggatcactg	tattcggtg	caacttttgt	caatgccttg	acactttta	299

<210> 100  
 <211> 390  
 <212> DNA  
 <213> Murine

<400> 100						
gaattctttt	tttttgttat	tatctgaaat	gatgttttga	aacttctttt	gtctctgcct	60
cacccccaac	ctactcccct	ctccaaatca	caaactaggg	aatctggaaa	ccaaggaaaa	120
taccaaatac	agatttcttt	tgaagacct	gaacctttta	agatgactcc	tttcagtgtc	180
attggttttg	agctctggtc	catgacatcc	gacatctttt	tttgacaact	ttatcattak	240
tggtgaccga	agagtgtttg	atgattgggc	caatgatggg	tgggggcctg	aagaaagctg	300
ctgatggggc	tgctgaggtt	aktgattgtt	cattaattgt	ggatttwtat	ccactttttg	360
gggggagact	gattactttt	taaaaagcag				390

<210> 101  
 <211> 389  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(389)  
 <223> n = A,T,C or G

<400> 101						
ggaattcgct	agtgagtgtt	gactcatcca	aataccaagt	gctctggtct	gaagctgagg	60
gccctgctgt	agggtccgga	gccccacaca	ctgtgttgat	ggctgtggac	tgggaggaaa	120
ggagctcgct	tagaagacgc	tgggctgtgg	ggagaatctg	ctgaggaagc	tactgataa	180
ggtactgagc	aaatttttga	agctggtccc	tttgtagccg	agacagggac	tctgagactg	240
gagcccgag	gcagactgca	gatgcgttgt	gaatgcggaa	gaggcagagt	gccacgacat	300
gggtgcacca	tttggccccg	gccccacagg	tacagctaca	agaagtgacc	cggcagcngt	360
caaacatcac	agctacattg	taggcccc				389

<210> 102  
 <211> 344  
 <212> DNA  
 <213> Murine

<400> 102						
ggaattccag	atatctggcc	agcatcctta	gtggcctgtc	gctgtgaatc	attgaaataa	60
gcagggactg	tgatcacagc	atTTTTTgct	gtgtggccca	agtaattttc	tcgagtctct	120
ttcatcttca	tcaacacaaa	tgtctcaatc	tgacttggag	aatagagttt	tccatgagcc	180
tcaacccaag	catcaccatt	ggagcgcacg	gcacaatttt	aaaaggacac	atctcttagt	240
gtcttctctg	tcactctcag	gggtcactca	tactcgctcg	ctccaataag	cacgcttagt	300
acgcatagaa	ggtattgttt	ggattggttsa	cagcttcccc	tttt		344

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<210> 103
<211> 354
<212> DNA
<213> Murine
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<400> 103						
ggaattctat	ttgtaacccc	ctaatttgta	accctgtaac	ccagggaggt	tagacaacac	60
tcattccctg	gtgtcttttg	tctcactgat	cagtcagaac	ccagcctgaa	agcagttgta	120
ggactgtttt	ctaagccctg	ggcagcagag	gcaggattag	gagttcaaag	caagtottaa	180
ctacatggca	taaagaaagt	aggagctaca	ggagatgttt	ctctaaacag	acagatatga	240
aatctcttta	aaaacagggg	atgaaattct	taattttggg	gagcaatatt	ggagaactgw	300
tncacttaag	agatcaccca	tgtgatagtg	aaaaatgaaa	tttaaaatct	caat	354

<400> 104						
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attaagagga	ttggcagtga	aattgccttc	caaagaactc	tgcagtggga	tgtggcacia	120
ttctgagagt	tgactctgat	gcattctttc	aggtttttaa	cagtatttga	ttataaacat	180
atggatattc	aattgagaca	atTTTTattt	ttctccctgg	gtaggaagaa	ccactaagta	240
aagggaagc	tgggcttgcc	tgtctctctc	gtccagttct	acattagtc	agtctgcaca	300
gtgtcccatg	ctgcctgtaa	wcacaattg	tggttcttgg	gttaagagtc	atgtgttttc	360
cagaccttga	actctctact	gagcaga				387

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<220>  
<221> misc_feature  
<222> (1)...(269)  
<223> n = A,T,C or G
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<400> 105						
ggaattcccc	ggctcgagcn	ngccgctttt	tttttttttt	tttttttttt	accatgcaac	60
aaaaccttta	ttaacatttt	ttaacagagg	ttcagctatt	attgaaactt	gtaattttcta	120
aacttaaaatt	ggggcaagtg	gctagagtgc	agagtaatgc	catcactgcc	cactgggaat	180
qcaqaccqaa	taattaataq	ccannncnnc	agacqqaqag	accaggtqca	aqgtcgactc	240

ctttcnrgaw gggttgtaatc agagagagt

269

<210> 106  
<211> 464  
<212> DNA  
<213> Murine

<400> 106  
ggaattccca gaggggggat ctcatcagga aggcgatgag gatgcctcgc gcatggaaga 60  
gggtggattaa agcctcctgg aagaagccct gccctctgta tagtatcccc gtggctcccc 120  
cagcagccct gacccacctg gctctctgct catgtctaca agaatcttct atcctgtcct 180  
gtgccttaag gcaggaagat cccctccac agaatagcag gggtgggtgt tatgtattgt 240  
ggtttttttg tttgttttaw tttgttctaa aattaaaagt atgcaaaata aagaagatgc 300  
agttttatag aattccacca cactggcggc cgctcgagca tgcactctaga gggcccaath 360  
cgccctatag tgagtcgtat tacaattcac tggccgctgt tttacaacgt cgtgactggg 420  
aaaacctkgc gttacccaac ttaawcgct tgcagcacat cccc 464

<210> 107  
<211> 328  
<212> DNA  
<213> Murine

<400> 107  
gaattccgga atggcatgat actgaagccc cacttccaca aggattggca gcagcgagtg 60  
gacacttggg tcaaccagcc ggcgcgcaag atccgcaggc gcaaggcccg gctggcgaaa 120  
gckcgtcgca tcgcccctcg ccccgcgctc ggccccatca ggccccatcg gaggtgccct 180  
acagtgaat accacaccaa ggtccggkct ggcaggggct tcagcctgga ggagctcagg 240  
gtggctggca tccacaagaa agtggtctgc accatcggca tctctgtgga cccgaggwdg 300  
cgaaacaagt ccacggagtc actgcagg 328

<210> 108  
<211> 526  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(526)  
<223> n = A,T,C or G

<400> 108  
ggaattccgg atctcttctg tgttccact actcaagcac cgagtggcgt tctatggcgt 60  
ccgcctcggc tcagcccgcg gccctgagcg cggagcaggc caaggtggtc ctggcggagg 120  
tgattcaagc gttctcggcc ccagagaatg ccgtgcgcat ggacgaggct agagacaatg 180  
cgtgcaacga tatgggcaag atgctgcaat ttgtgctgcc cgtagccaca cagatccaac 240  
aagaggttat taaagcctat ggcttcagct ggcaggggga aggtgtcctt aagtttgccc 300  
gcctgggtcaa gtcttatgaa gcccaggatc ccgagattgc cagcctgtca ggcaagctga 360  
aggccctgtt cctgccaccc atgacactgc cggcccatgg ggctkcttct tggaagcacg 420  
tbtngcagcc tyctgagatt bgttctcgta tgtgtkctcg cctgctgttg gargccggcc 480  
cttgtgttcc agaggrtaat aaatgtacht gtgactcaaa aaaaaa 526

<210> 109  
<211> 598  
<212> DNA  
<213> Murine

<400> 109  
gaattctaac tatctaaaaa tatgaatgga taaccaaagt attccaaacg tggctattct 60  
gatccaccgt ttgtttttct cttaaaaaaa aaaaaagtat gtacagaaat tgtataaaaag 120  
actttgtgaa ttcaatgaga gttagcttcc agtcttcaca tcccaaagtc tgggtttaca 180  
gttttggtct ctttgcatat ttgcctgtag aattaagact cataattttt gccttgctaa 240  
cagaacacac tttaaattat gaaaagccct caacatatac caaagtaaaa gacagcattt 300  
tgaaattagc caaggccaac atgattctgc tctctggaac cagtgtactc tagtgaattt 360  
ggtgcttggt gtgagtgaga aacgacaatg ggaaatgtct actgtttgac ttttgaaatc 420  
agattttatt agtggtggct ggacttgggg atgggttcaa tccaccattg yctggcacat 480  
gttaattact aggtaaaggt caaatacaat kthagacct aagccacagg aggaggatgc 540  
aaaacgttca attccaaaga gaacagtttw gwggttcaaca acatgggact ttwcctag 598

<210> 110  
<211> 474  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(474)  
<223> n = A,T,C or G

<400> 110  
gaattcggaa tgggtggcgt gtgcctgtga gcttccgaag ttaatggatt gttctggctg 60  
tgacgaacag gatgacggtg tcaggcgact ccagccaaaa gctttgcaaa gtggctcgag 120  
tcacagtact ctgatgctga ggcaggaggg ctcccagttt gagtcagcta gggctcaaac 180  
caacccaaaa aagcctgcc aagtgaaaaa gacactttcc agagctgttg caagggtcag 240  
ctggcagcac agcacagctc agcccatccc agcccagaag gagcagcgcc acccacaggc 300  
gcagggagga agtaggaagg ctgcaggggg caggcagctt tccctgggac aaagaaaagg 360  
aacatttggt ctctcagtg ctgctcttct agatccaaat acacagtaac cctttgctgg 420  
tgttttgttt tgaattaaag aatattaaag tttgggggaa ttcaccacac tgrc 474

<210> 111  
<211> 409  
<212> DNA  
<213> Murine

<400> 111  
gaattcgtca ataaggtata ggctacaccc ttctcaccag ctcttcctgt ccggccaatc 60  
ctgtgagtgt gcgtatcaat gtcccgtgct acatcatagt taatgactgt cttaatggaa 120  
ggaatatcca gaccacgggc tgcaacatca gtggccacca ggacggggat gtcctttttc 180  
ttaaaatctg aaataacctt gtttctttcg ctctgatcca tgtcccatg gagcagacca 240  
agattatgac cctcctgctt caggttactg gctagctctt cagcattggc tttcttagta 300  
acaacaaga gcacactccc cgaggaagta aactccacca gacgccgagt cagccagttc 360  
catttactkg gtccggaatg gagaatytc acaatctgtg tcacatytt 409

<210> 112  
<211> 331  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(331)  
<223> n = A,T,C or G

<400> 112						
ggtgacacta	tagaatactc	aagctatgca	tcaagcttgg	taccgagctc	ggatccacta	60
gtaacggcgc	ccagtgtggt	gaattccccg	gctcgagcng	ccgatttttt	ttttthtttt	120
ttttttccaa	cttaaaggct	ttatttgaca	caaaatacaa	tatggctgcg	ggaacaccaa	180
actccaaaaa	caaaggaacb	aaaaaaggac	catggttcta	tctaattgat	aattaacagg	240
aagtcactag	acgagtaaca	gatgggtacn	ccttgcggga	aagtctttcc	taatkcccat	300
acttctggaa	ctccactct	ctgttggtcca	a			331

<210> 113  
<211> 373  
<212> DNA  
<213> Murine

<400> 113						
ggaattcgtt	ttggaataac	tggtcaacaa	aatcaaaaag	atgtctgggg	ggtgggggga	60
gactgcctgg	cagtacaggg	tgggggagaa	actccataca	acaagacagt	gcaaatcagc	120
aggaaactgc	atgtgtgcac	tccagacagc	caatccagga	gcatgctgtg	cattctggaa	180
ccctccagat	gagtgcagaw	wtdtggcaat	gccccatgca	ttcaccttta	atgcaactgc	240
accagcccta	ctgtgagtga	tgtgatctcc	ctttaaaaac	caccaccat	catcactgat	300
tcaattatnn	yygcaagttg	tatcttcaag	gacggaagcy	ctgaagtgac	cattcacnad	360
cttataattt	ata					373

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<220>  
<221> misc_feature  
<222> (1)...(312)  
<223> n = A,T,C or G
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<400> 114						
ggaattcgtc	tacagcaacc	aaagagataa	.caacagtagg	gtctgaaatt	tcaagggctc	60
tggggttcca	ggccagtatc	attcacagaa	ggggatgggg	aggagggctc	cagaggctgc	120
caggctaagg	ctatacagaa	ggbccctccat	gaaaagaagc	tttatgaagt	ttctccagaa	180
actcaaaty	ggagatat	ttaaaatnnc	tcaggctgtc	ccagcagaga	atnccgtgga	240
ttatkctga	gaacaaaagg	rgacaggcct	cctcctgtgt	gggagctgta	catkcyctca	300
caggtktgtc	tt					312

```
<220>  
<221> misc_feature  
<222> (1)...(279)  
<223> n = A,T,C or G
```

<400> 115  
ggaattccag ccctacatca agagagccgc agccaccaag cttgcttcag ctgaaaaact 60  
catgtatttn nmmctgacc agctgggact ggagcaagac tttgagcaga aacagatgcc 120  
anahnggaag chgctggttg acrgtttnmt tctgggcatt gatgttagca ggggcatnna 180  
hchggaacht cgatgatcag ctcaaatttg tctccaatct ctacaatnan cttgcaaaan 240  
cnaaaannca tagtggtagt nctgactaag tgtgatgag 279

<210> 116  
<211> 380  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(380)  
<223> n = A,T,C or G

<400> 116  
ggtgacacta tagaatactc aagctatgca tcaagcttgg taccgagctc ggatccacta 60  
gtaacggccg ccagtgtggt ggaattcggg taagcacact agcaaaaaaa anaaaaaaa 120  
aaaaaaaaay ncaaacaaaa gagtcttaga ggaagaatga agaaaacata caatactttc 180  
aatttgaaga cagatgcaca atactttaac atatgccaaa gattaaaggg aaaagattac 240  
aaaattatat cactgcaa at tttgttgctg tgacaaatta aaagcagttc ataccagaaa 300  
cacacacagg tgcagaccgg tgagcacaca ggcaccatgc attgacagtg atgttgattc 360  
tttaaagtaa tgagccntgg 380

<210> 117  
<211> 558  
<212> DNA  
<213> Murine

<400> 117  
ggaattcgtc actgagtcct ctcttcactc acattgtcta ccagccacta tgaaagcctg 60  
agcccgtact tgtcaactat ccaggaggat tatcccacct tgttacctca cctctaaaag 120  
cagataacag cctgctgctt gtttttghta ataaagtact attcaaacag ccacacatac 180  
tcaatttagc tattgtcggg gattgctcac agacaagaca agttgttgag acagacaagt 240  
gtggtcacaa agcctaaaag tatttactat ttggcactat agaaaaaatg agaccgctgg 300  
ctttatttag agaatgagaa gccgttcgct aacagggatg atgatgatga gtgtgaggaa 360  
ggaataactt ccaacmgttg tgacagctta ttttatagaa aaccgtccca gcaaatttat 420  
wgtcactgtc cattcattaa cvgtcggta tgttcattgt cccagtagca ggtcatctgt 480  
caataaactc ctgataccca gagctgttyc cagtyccact chaactttag cactactgtt 540  
tacctaggcc ctcaccct 558

<210> 118  
<211> 364  
<212> DNA  
<213> Murine

<400> 118  
ggaattccaa ttcagaaaaa aaattcagac tgaaatgact aatcccatat ctcataaccc 60  
cttcaaccag taacaccccc ccccaaaacc cattgtcttc agtgtgtcag ctactaatc 120  
taatgatcag atcaatctat gaactccaca acaaaatagc tactgagcag cccttcctga 180  
gaagtaaata ttctagattt tgggaaccag tgccgaagac agaattgctta ctgtctagaa 240  
gtttcacttt ccttatgagg gggttgagaa ccaagatgac tattaatgtg tgatgtgatc 300  
cmataaaagc tgtkgggaaa tcagggtttt aggaggggaa tagttgtgca aaaaaaaaaa 360



atat

364

<210> 119  
<211> 518  
<212> DNA  
<213> Murine

<400> 119

ggaattcgca	gattttctttt	ggacagtgat	gggaagagtc	tcatctgtaa	agtgaaccta	60
tcaaagatca	atagcaaagt	cctgaagagt	ggtcagctgg	aggatacatg	tctggtagag	120
ctctcactgg	ccctggacct	gcgccctacag	gtcagcgtca	gcagttggca	tctgacggct	180
gtcactgtgg	atgtgtggac	actccatgct	gagctgcatg	aaggctctct	ccatagtcag	240
ctactgtgtc	atgccccagg	ccggatttcc	aaatcagttt	cttgttcaga	tttgactgag	300
aactttgctg	aaccaactct	gcctgggcct	atacctcttc	cagcggctgc	cagaccaagt	360
caaggtgaag	atggagaaca	cmagtgtgtg	tgttgtctat	gaacagtcaa	aaacbgcact	420
tgacttkgac	actgaagctg	ctgcawtttc	ctgtaccacc	gtgatgagga	ccaactgccg	480
cttcgaagcy	tcacagcaaa	ctatgatatb	gcacacga			518

<210> 120  
<211> 518  
<212> DNA  
<213> Murine

<220>

<221> misc\_feature  
<222> (1)...(518)  
<223> n = A,T,C or G

<400> 120

ggaattccca	gggtgcaatt	ggtagtccag	gacctgcagg	tcccagagga	ccagttggac	60
cacatggacc	tcctggaaaa	gatggaacaa	gtgggcatcc	aggctctatt	ggaccaccag	120
gtcctagagg	aaacagaggt	gaaagaggat	ctgagggtcc	gccaggccac	cctggacagc	180
caggaccccc	tggaccccct	ggtgcccctg	gtcccctgctg	tgggtggtggt	gctgctgcca	240
ttgctggagt	tggaggtgaa	aagtctggtg	gcttttcacc	ctattatgga	gacgatccaa	300
tggattttcaa	atgcaacact	gaagagatta	tgtcttcact	caagtctggt	aatkgaacaa	360
tagagagtct	tataagccct	gatkgktctc	gaaaaaaccc	tkctcgggaa	ctgcagagac	420
ctaaaawttc	tbbcaccccg	ndctctagag	tggagaatac	tggngtgatc	ctaaccaagg	480
ctgtcagagat	tggattgcta	taaaagtatt	ctgtgaca			518

<210> 121  
<211> 555  
<212> DNA  
<213> Murine

<400> 121

ggaattcctc	tgtatagccc	tggtctgtcct	ggagctcact	ttgtagacca	ggetggcctc	60
gaactcagaa	atccgcctgc	cactgcctcc	caagtgcggg	gactaaaggc	gtgtgccacc	120
acgtccagcc	ttgtttgtct	atcagtttcta	cagcactcaa	agataacctt	ttgaaatcaa	180
tttgctatct	gggtgacaca	attcaatctt	cattcagcaa	ctgcaaacca	attgagttct	240
tcatgccaac	tcagaaatac	atgattacta	gctttttacaa	gctgagcctc	tctacagctg	300
ctggcaaaaa	tggggcacag	gggaggagggt	gatttttaaaa	cctgccattc	aaacttatct	360
agtctwamca	gtagtcagag	ggaaatatac	ttgagaacag	ggtaaaaacca	gcttttgcca	420
cattaagttc	atgttagtgt	agaaaattta	aaatcacmaa	catcaaattc	cagcttactg	480
tgcaaaawtat	aaagccgaat	tttaccattt	atactcagtt	cttttggakt	caatctcagc	540
aacatttact	aataa					555

<210> 122  
 <211> 270  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(270)  
 <223> n = A,T,C or G

<400> 122  
 ggaattcggc gccttggatc catttccatc tggttctkct gagacgcgtn tngctccctc 60  
 cccgcaacag ccaaaatggt gaagctgac gagagcaagg aagcttttca ggnnnvhect 120  
 ggncgcngcg ggagacaagc ttgtcgtggt ggactttctn nctacgtggt gtggacctnn 180  
 cnaaatgac aagcccttct tccatnccct ctgtgacaag tattccaatg tgggtgttct 240  
 tgaagtggat kgtgatgact gcbrrgatgt 270

<210> 123  
 <211> 186  
 <212> DNA  
 <213> Murine

<400> 123  
 ggaattcgtg acttgtccag agtctcagcg ctgataaagg agaagctgaa agtcctcatc 60  
 tccagcagct tkgcctgctt cyagagtctg ggttcttgaa actgggaaa gaaatttcct 120  
 tctgaccaga agagtggaaa gggaatctgt ttgaactgga cagagtgggc agggtkggag 180  
 aggaga 186

<210> 124  
 <211> 452  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(452)  
 <223> n = A,T,C or G

<400> 124  
 ggaatcgacg cccaggctcc acaggctgca gcgcttgctg tagatgctgg cctcttcaact 60  
 gaaggcctcc accacctctg gnbccatgta ctcagctgac ccacacgggg tgagcagctc 120  
 tgggtgtggag atgggggagc agtctccatt gagtttgata ccactgccaa ggtcgaagtc 180  
 gcagatcttc actggcgaga cctgggtggg gtgctcacat aggatgttct ctggctttag 240  
 gtccctgtng gcgatgcctt tgttatgcag gaagtccagg gsactggcca cgtcctgtac 300  
 taccacbsbg gsctccagcn cgttaaagtg gcgccttcta tggatgtggc ttaggatgga 360  
 tccgccacgc atcttctcaa acaccaggta gaaacggtcc tcctcctcaa agadctcaat 420  
 cagttctaga acattccyat gtcccccsgc ac 452

<210> 125  
 <211> 279  
 <212> DNA  
 <213> Murine

<400> 125  
 ggaattccaa cgaacgcttt gccacactct gcacagacgt ggactctggg accgtgggtg 60

tgcagatgct	ttctcatagc	agagttatcc	ctgaacatct	ttgtgcagcc	tttatgaggg	120
caagctaatt	gttcttggag	catcatcttc	tttaattttt	cttgggttca	ttctggcaaa	180
ttctgccagt	bbcttagggg	ctgagaggtc	aattggccag	gtatccctyc	caggdgggag	240
tttcttbcct	gtcatatatt	ccagaatwat	caggaggtg			279

<210> 126  
 <211> 236  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(236)  
 <223> n = A,T,C or G

<400> 126						
ggaattcgaa	cgyyggcagt	aaagcagtcg	ctgctggaca	aggtctgacc	cccaccactg	60
gcccacccbs	ttctaccaca	aggacttbnc	ctctgaaggc	cagtggctac	aggtggtagc	120
aggtgggctg	cycaccccg	tcttggnntc	ccccctcca	scctcccttc	tcagtcccta	180
atybgcctct	cccaccctcn	ccccaaabcat	tbcttcatcc	ataagtbggg	cccttg	236

<210> 127  
 <211> 362  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(362)  
 <223> n = A,T,C or G

<400> 127						
ggaattcaga	acctggcgga	cgaggagccc	tgggcagttg	gtatgggcag	tacaggaacc	60
atttcgactg	tctggtcacc	aagttaaga	gcaatctaata	gaagtggggg	acactgtaag	120
ctaaactgaag	atgaatgtgt	ggkggctttt	wctcaacaac	cattccccta	gagtctaata	180
taaaagtaga	tttacatttg	tgggtaatct	gaagctgggtg	atttctagt	cctttggtaa	240
taatcaataa	cncagcagtt	gcgtggcaga	kkgatccmcg	catggataaa	tacaaatatt	300
aaattagcat	aatttttttaa	ctttttgtac	aaatatacat	gcttttttnc	tttttctcat	360
ct						362

<210> 128  
 <211> 315  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(315)  
 <223> n = A,T,C or G

<400> 128						
ggaattcttt	tttttttttt	gttttgtttt	gttttgtttt	gttttgtttt	tgttttaatc	60
ataatcagcc	cagagcattt	tttgtaaca	atgcctctgt	tttcatgaaa	gttcataaca	120
tcagggtttt	taaaaaaaaa	taactaaggt	gcttttagag	ttgaatctgt	gagttaccgt	180
cagcacacta	gtgggctaag	agtgagcagg	gtgttttcag	agaaacaakc	kkcyccccc	240

nnncacaact tatcttttaa acttagaagt aacctgttgt hccccagcct gcycctttgtc 300  
acctgagtkc ccaga 315

<210> 129  
<211> 251  
<212> DNA  
<213> Murine

<400> 129  
ggaattcaat agatatttgc tagacttacc aattcaaawg ttttgttctt cctaggttgt 60  
caggggaagta tcactactac ycttcagttc agaattgctg aagtaactga ttgtytgatg 120  
atttgtgaac atgatcttaa ctatgtgact aaaatatcag atcattacaa tactkctcaa 180  
ttgatggata catgttgaat atcagtgat wctttgatgt ttttwattac ttkacycttt 240  
ttttaaacct a 251

<210> 130  
<211> 338  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(338)  
<223> n = A,T,C or G

<400> 130  
gaattccgag cgggcgagcg cggggagggg gccgggagca gggcagctcg ggagaccgga 60  
cggtagcggc ggcggcgggc gcgggctcgg cgcctcttc tctgcaagcc atgtttgcca 120  
aaggcaaagg ctcggcggtg cctcgggacg ggcaggctcg ggaaaagtta gctttatacg 180  
tctacgaata tttactgcac gtaggagcac agaaatctgc acagaccttc ttatcagaga 240  
ttcgatggga aaaaaacatc acactgggtg aaccnctgg gttcctgcac tcgtggtggt 300  
gtgtattttg ggacctttac tgtgcagctc ctgaaagg 338

<210> 131  
<211> 94  
<212> DNA  
<213> Murine

<400> 131  
ggaattcaac agaatacaag aaatggaaga gagaatmtaa rgtgcagaag attccataga 60  
gaacatcgac acaacagtca aagaaaatwc aaaa 94

<210> 132  
<211> 323  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(323)  
<223> n = A,T,C or G

<400> 132  
gaattcgaaa aaggaaacgg aaaaattcta cttccgggtc agattttgac actaaaaadg 60  
gaaaatcawc agaaacctct attatctcta aaaagaaahn ccagaactwc tcagagtyhh 120

ctaactatga	ctcagagtta	gagagagaga	taaaaacccat	gagcagaatt	kgggctgcca	180
gaaaaagtdt	tccagagaaa	aaagaagagg	actcttctga	agatgaaaaa	cagggcaaaa	240
aagtagtgga	taatggaggg	catgagaggg	cgaagacmac	mcmagaaggg	tcattctgctg	300
atgacactkg	tgacactgaa	ggc				323

<210> 133  
 <211> 402  
 <212> DNA  
 <213> Murine  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(402)  
 <223> n = A,T,C or G

<400> 133						
gaattcatgt	caaacaggta	gtcataaacac	tcacacatgg	tttttdcttt	ctcccatgtt	60
tctccccaca	cgtacacccc	atgayncygg	acaagaacyg	cacaggagtc	tkggtactca	120
ttcatggcat	gagccatcct	ttctttkaga	tccttctctt	caggagtgtt	ctcaataath	180
ggtwccacta	acatatcatc	gtatctgtaa	tagcctcctg	aggtacattt	ccttattcct	240
ttgatcatct	cttgatgtgt	aattttaaac	tcctgtcctg	gaaacagaag	ggtagccatc	300
acagcagctt	tagagtgggt	atgaatcact	gcgccagctc	cctctcatgg	tataagcatt	360
catgaaaaga	ggagtgcact	ggcttttwtt	cagcttctta	ga		402

<210> 134  
 <211> 203  
 <212> DNA  
 <213> Murine

<400> 134						
gaattcgtga	tcatgaagcc	tagtgcgctc	attacacaag	gggggggggk	gkctcaggac	60
ctctccaccc	cgggagtcac	ttccctgtgt	tgctgtggaa	ctaatttgaa	aagtaaagtc	120
caaggaaaca	ctgctctgtt	tctgagacat	gaagaaatga	aaacacaaga	caaagcaaag	180
agcgtgcgca	ttctctggcc	cac				203

<210> 135  
 <211> 87  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(87)  
 <223> n = A,T,C or G

<400> 135						
ggaattcgtg	atcatgaagc	ctagtdnnyt	cattacacaa	ggggggggga	ggdtcaggnc	60
tctccacccc	nnnagtcatt	thcctgt				87

<210> 136  
 <211> 342  
 <212> DNA  
 <213> Murine

<400> 136

ggaattcgga	agctccgccc	cggctaaggg	ggccagcacc	ctggggcctg	cacccatcct	60
gtacaagata	ctgcccagag	ggttccttca	aggcctgggc	agttcaaaca	gccacactgg	120
acagacaata	aataatgcag	ctgctctctg	gacagcctcc	tgtgacctat	ctcgtttcga	180
gccactcgag	tttcggccag	cttgctttgt	tcagaatgcc	aagccccggc	tgggtttctg	240
gccacgtggg	tactatggtc	ccactgaggg	ccagtctgag	cctgcctaam	aaaggctaag	300
taaggkggct	atcctgaaga	gaawgccta	cttactttga	aa		342

<210> 137  
 <211> 341  
 <212> DNA  
 <213> Murine

<400> 137						
tgaattcggc	caaacgactc	ctgctgggtct	caacccccgta	ctgccggggg	caactagctt	60
ttaaaccgct	ttctggggcg	tcagctacca	agtgcctgaa	gacctgggtg	atgcagcgga	120
ggggcaagct	gcctggggcca	cttacgtggg	aggcgcttac	cacggggaca	taggggctgg	180
agcggcagaa	ttcgcttata	ctgggtggga	gggtgggagt	atccactgtg	gctagttcac	240
accctgcttc	ccctcccca	caagcacaag	gggtgtgagc	ctcaacccta	aacaggcaag	300
trtatratcg	ttttactctg	ggcacacctg	awtatggttt	t		341

<210> 138  
 <211> 350  
 <212> DNA  
 <213> Murine

<400> 138						
ggaattccga	gcggccgctt	tttttttttt	ttttttttta	aatctcagta	ttattttaatg	60
agaacgcccc	accctggccat	gtacaggggtg	ccccgcactc	gctactcacc	caccatgtta	120
aggaaaagca	ccaggaagta	cagaggggtcc	tcatggctgc	tctccagagt	tataatttaa	180
aggatattct	ccatggtaaa	actacaatag	ttacatacca	aggcaatact	acatgcttta	240
catagtccca	tgaaaaagaa	ttcaattgag	tctaataccct	gatgcaaggc	acttcaaagc	300
accgcgcata	aaatgcccat	gtaaaacagca	gtgcagttgc	accttbccaa		350

<210> 139  
 <211> 156  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(156)  
 <223> n = A,T,C or G

<400> 139						
ggcgcggtatt	ctttatcact	gataagttgg	tggacatatt	atgtttatca	gtgataaagt	60
gtcaagcatg	acaaagttgc	agccgaatac	agtgatccgt	bcngccctgg	acctgttgaa	120
cgaggctcggc	gtagacggtc	tgacgacacg	caaact			156

<210> 140  
 <211> 411  
 <212> DNA  
 <213> Murine

<400> 140						
ggaattccgc	ttgacctgcc	ttgggggtatg	gggtactgctt	tgctttgggg	tacagtgtctc	60

cagtaaaccg	aggtatgac	atgttaggca	ccaacgagtc	atztatcatc	aggaaggcaa	120
gtctctctcc	atcgggggac	caccagtggg	cgatatgaga	atgcagaagt	tcttctagaa	180
taaatgagtg	ttattttaca	tcaacttcat	ataaccagtc	agcaatccca	ttaaaaaataa	240
tgccttcctt	tcctgaagat	gttagtcgta	aagaactgct	cttgatatca	ggttgatagt	300
agatattggt	ttcaaaaata	taaatcagct	gctgtccttg	cacaccccag	ggcgccatac	360
tgcaacactt	gagttctcaa	cttctggggg	atthaacttc	cacamyttcc	c	411

<210> 141

<211> 557

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 141

ggaattcctc	tctctctctc	tctctctctt	tttctctctc	gctctctgcc	tttctctgtc	60
tctactccct	caactctctt	ccccatgccc	tgaataacct	ctattctata	ctacatgact	120
ggccccctcag	ggggaagggg	tgccctcagca	tgggcccgcga	gaggtacccc	cttccccaca	180
cctgatggca	ccaaacatat	tccttctctc	cttctctccc	tgctcatcgc	ttgaggtagc	240
atggttctct	ctgggaagct	ctgggtgctg	agtcagggtc	ctgctctggc	cctccccctga	300
aactccatca	gaatctacat	ggccctggac	tgtggcaatt	tgcttcttgg	accctaacaa	360
gactttaagt	tyctygaagg	gcaagggttc	ttcccactaa	atccagcaca	gggcaagaca	420
catagtaggt	gttcacacaag	cacctaataa	gtgctctggg	ttggtgggat	ttttttttgt	480
ttggttgttt	tggttttggg	ktttgtttgt	tggttagttt	gtttagynsg	ttttgcaaca	540
akgtctcaag	tgacata					557

<210> 142

<211> 231

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(231)

<223> n = A,T,C or G

<400> 142

ggaattcaat	catatttatt	ggatcaacaa	atctcctagk	ncctttttacc	acatacattt	60
acwccacta	cccaactatc	cataaatcta	agtatagcca	ttccactatg	agctggwghh	120
gtaattacag	dcttccgaca	caaactaaaa	whytcacttn	cccacttcct	tccacaagga	180
actccaaatt	tcamctaawt	tccaaatact	taattaatta	ttgaaacaat	t	231

<210> 143

<211> 529

<212> DNA

<213> Murine

<400> 143

ggaattccag	acttgtgtct	cttgatgtct	gtttgatggg	agctactgac	aggcttaggg	60
ctcaaccaag	tggtttgtat	tctgaaaact	tctacctggt	tatgcatata	attagtaaga	120
cacttagaat	gagcctaagt	tgagcctggg	gggtggctgt	cccgttgaga	aaggcctttc	180
gcagtttaga	ggcatctctg	ttctctcctt	tataggttgc	ctacatagag	aactgctgtc	240

ctttcatact	gctctgttgt	aaccgtttta	tcttcagttt	cattccttgt	atcaagatct	300
taagcagcag	cagttctcaa	cctgtgggta	gtacgcaacc	cctttgggga	ggttgaatga	360
ctctttccca	ggggagcgta	tattagatta	tttacgttac	gattcatagc	agtagcaaga	420
tgaccwgtwa	taaaatattt	ttatggtggg	ggggccacta	catcargggg	cgtacattaa	480
atggttgtaa	cattwgcaag	gttgagtact	cgctccatct	ttaaaacca		529

<210> 144  
 <211> 148  
 <212> DNA  
 <213> Murine

<400> 144						
ggaattcctc	cctttgtctg	cagtttttcc	ccttgacatt	cattcattca	ttcattcatt	60
cattcagtga	agagcttcgt	gtycagtatt	ccagactccg	atgaaahtyg	aaaatcgaty	120
cttctctkkt	ctaattattg	tctaataca				148

<210> 145  
 <211> 425  
 <212> DNA  
 <213> Murine

<400> 145						
ggaattcgcg	ggtctaaaag	ttcccaacac	ttggagggct	gggtgggggc	cgaagctagg	60
gctgtgggaa	cgacaacttc	tgggtgtatg	atggtgatgg	tgagcgtctg	ctgcacacct	120
actgtgtgcc	aagcacttgt	gcgtgttcta	catactaaac	ctcgtgacca	tggaachvgc	180
tcattttccc	aatccgtcga	ccgaggaagc	agagactgga	tggtttggcc	agbbtagagg	240
gcagtgggga	ttggtttggg	ctgaggtctg	catctttacc	ttctgagttg	cagatttcga	300
agaagtatac	tctgatctga	gcacggcagg	agggcagagg	aggccaagcg	gcaggcatgg	360
gtgcacccta	ctgccatctg	ggccggcctg	gagaccagga	ggctctgaac	gtacacacga	420
acgcg						425

<210> 146  
 <211> 399  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(399)  
 <223> n = A,T,C or G

<400> 146						
ggtgacacta	tagaatactc	aagctatgca	tcaagcttgg	taccgagctc	ggatccacta	60
gtaacggccg	ccagtgtgct	ggcgcggtat	ctttatcact	gataagttgg	tggacatatt	120
atgtttatca	gtgataaagt	gtcaagcatg	acaaagttgc	agccgaatac	agtgatccgt	180
gccgccctgg	acctgttgaa	cgaggtcggc	gtagacggtc	tgacgacacg	caaactggcg	240
gaacggttgg	vggttcagca	gccggcnctt	tactggcact	tcaggaacaa	gcgggcgctg	300
ctcgacgcac	tggccgaagc	catgctggcg	gagaatcata	cgcattcggt	gccgagagcc	360
gacgacgact	ggcgctcatt	tctgatcggg	aatnccgcg			399

<210> 147  
 <211> 345  
 <212> DNA  
 <213> Murine



<400> 147  
ggaatcttca cgttaccctg gaaagagagc tccagagctt gcattttaaac ttctgggcat 60  
ctctgcttca atgcctttct aaccagtggc tctttttcgt gtgcggaaac ataaaccagt 120  
gcacatccca catactgcca agaagtgaaa gggcttcata aggaagatgg gcaccaggga 180  
ggaccctggg cttctcctc ggacatgagc ttgccacctg kgtcatatgc tctgdaagg 240  
ttcttctgtg actgagacta gtaaacattt tattccctgc agagatgagc tgtctgkga 300  
tgggggggtga cttcagtaga caggagagcc gacatgatgg ctta 345

<210> 148  
<211> 67  
<212> DNA  
<213> Murine

<400> 148  
gaattcttta aaatcactaa tcgacctghc ghcctcagmt tagaccacat agrcaacttg 60  
attattg 67

<210> 149  
<211> 182  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(182)  
<223> n = A,T,C or G

<400> 149  
ggtgacacta tagaatactc aagctatgca tcaagcttgg taccgagctc gngatccact 60  
agtaacggch gccagtgtvg tgngaattthn cgcattccacc aagatgngaa twhnacatnc 120  
cttgatgaata tngaattgggn ntataccaan ggtntctcgn awtgrrsctc ttttctctta 180  
gg 182

<210> 150  
<211> 336  
<212> DNA  
<213> Murine

<400> 150  
ggaattcgaa ggatgccctg ctgaatcagc tgtgagctcg ggacggggca ggtggtgctg 60  
ttgcaggcag ggacagaaat gctgggagga aggtgacaaa tagtgagctt aggttccct 120  
cggtcagtta cagctgcctt aaccctgagg cggagcagg catgtgggtg gtgaacaagg 180  
cagtggacca agcagagcgc tgccctgtga gaaagtgcag aggacagtac agtgacaagg 240  
atccagaaca gggagcctga agtcttccac cgaaatggca tttggaggag tkkcttcaga 300  
gaagcattta gaggaagcca gttggacaat tggcct 336

<210> 151  
<211> 108  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(108)  
<223> n = A,T,C or G

<400> 151  
ggaattcga gcttcttttt gcaagagatg gtcattaaag acagttacaw ctggtcacac 60  
aatgcatagg nccactgacc acaaagtgtc cagahccaat taatatat 108

<210> 152  
<211> 607  
<212> DNA  
<213> Murine

<400> 152  
ggaattcccc gctcagagcg cgcgtttttt tttttttttt aagacttaaa attgaattag 60  
tatttgtaca gaaaggtgca ggtggaataa ctccctccgg cctaggatca aagttatgcg 120  
gagaattctt gatggaccct tcccctgccc ccagtggtgg ccgagttgt taagtgcgat 180  
tggttagagt agattccagt cgggtcattg tgggtggagga gtggggggcag tggcaggtaa 240  
ggggggtcag ttgctgcagc actggctccg gctggctggg ttgctctcct gcagatccac 300  
acctctggtt cggcccggag cccagccgc attctggggc tcattcttgg gaagcttctt 360  
agctattgcc atgaaaattt cattcacgtt cattgcagtc ttggcagacg tctccatgaa 420  
gagcaagctg ttgtcatctg cataggcttg tgcttcttga aactccacag ctctcttgct 480  
ggcagggtct gctttgttcc ccgctagtgc aatgacgatg tttggggctg ggctgcctc 540  
tgtaactcct tcaccaatt cttagcccggt gcaaahgtat ctsbgttcgg tgatgtcata 600  
gaccaca 607

<210> 153  
<211> 520  
<212> DNA  
<213> Murine

<400> 153  
ggaattcttg ttttcctcct gagacacagc cttgaaagca gtctcctgcc tcagcctcct 60  
gtgcagaaat tatagatgtg agccactgca cctggcttct aaaacttttg actatgtagg 120  
gctctgtact gtcattcctt ctatattcat tgacaatgga ttcctggacc ccctaagata 180  
tcaaaatcat tttctgaagt ggkataatat ttgtatatcc cctatacctg taacacccaa 240  
tacaatatag atgtcatgta aacagttatt aagctgtctg tctagtttag ggtggaacga 300  
caaggaaaaa aaggtatatt tagcacagat gtaatttttw aaaaatgaaa tgttttcaat 360  
ttgtgattcg ttgaagctgt agatgcaaaa ctcamgggac attaaaagtc aactatatat 420  
cattgggtga ctgatcttct ggtccattta aactttgaat tccctataac acaactcaaa 480  
gagaacayga tggagagcct aggtctgtat ccaatcaatc 520

<210> 154  
<211> 78  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(78)  
<223> n = A,T,C or G

<400> 154  
gaattcttgt tttthtctg agacacagcc ttgaaancag tctcctdcht cadcctccyg 60  
tncagaaatt atagatgt 78

<210> 155  
<211> 345  
<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(345)

<223> n = A,T,C or G

<400> 155

ggaattctcc	tgctctggct	cacctgtcct	gctcggggct	ccagctgac	tgtgctgttc	60
ctggtagcgc	tgtcacgctc	gggcagcctc	ctgcagctcc	cgtctctcgc	gctcctcctc	120
caaccgctgc	cgtcctctct	cggcacgcgc	cttctcctcc	aggcggcggt	tctcttcttc	180
cttctcagct	ttggbccaga	agttatcctt	gccgactctc	ttgatctcag	atatggcatt	240
ggctcttctg	tacacagagc	ccactggggc	ctgcbgccta	catcctggaa	ggaggtgctt	300
tccttatgga	agctgtwggt	ggccccagag	gccttngcaa	ccttc		345

<210> 156

<211> 342

<212> DNA

<213> Murine

<400> 156

gaattcctag	gaaaactcta	aatgaaagta	aatgtctgcc	actcactgcc	ctcagctata	60
atccaaccag	tgtactttct	tctcatcctg	cagaccagaa	caagtcccaa	agctctggca	120
atattaatac	agcaagacaa	gtaacctttt	ttttttcaag	tcttgaggat	gaaccagaag	180
acttttagtt	aagataccaa	gtcaaagttg	cacgttaacc	tggaccacag	tcaggcccca	240
gahmvctggg	agtgtggttc	acacctgtaa	ccagcactca	cagaggacaa	tgtgcctgct	300
gcaaacccaa	gscagcttkc	actgggagtc	tgaccactga	ag		342

<210> 157

<211> 369

<212> DNA

<213> Murine

<400> 157

ggaattcgct	gagtctaaca	aatgaggctt	atagtttggt	aggagttaat	aaacttctta	60
gtaattatat	attgactgtc	tactatttat	atgccagggt	actctgtgga	gattattggc	120
aaatctagaa	gtgaaattgc	tgactggggt	tttaatatag	taaggaaaat	gacatatata	180
cataatagta	ttaccaggca	atcaaagata	gatactaatt	cagtgatact	tagaatcagg	240
ggaggcattg	cttttaatat	gtgaggcaac	tgggccttca	gtgatgagta	atgaggaaca	300
atatggratt	ccgtgcagca	gaaaagaagg	tatmgacatg	taggtkagga	aaactgcmgc	360
agtgtttat						369

<210> 158

<211> 285

<212> DNA

<213> Murine

<400> 158

ggaattcccc	ggctcgagcg	gccgcttttt	tttactatft	ttattagata	ttttctttat	60
atacatctca	aatgctatcc	cgaaagttcc	ctataccctc	cctctgccct	gctccccctac	120
ccaccacttc	ctgcttcttg	gccctggcat	tcctctgtac	tggagcatat	aaagtttgca	180
ataccaaggg	gcctctcttc	ccagtgatgg	ttgactaggc	catcttctgc	tacatatgta	240
gatagagact	catatctaca	tatgagtctc	ygggggtcvt	cgta		285

<210> 159

<211> 443  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(443)  
 <223> n = A,T,C or G

<400> 159  
 ggaattccat aagtactatt attttattaa aaattttaag ttgaggctct aattagacat 60  
 cagcctgatt tctttgagtt ccacacacac acacacacac acacacacac acacacacac 120  
 acacactgtc ttcagcagtg agaccttaca atcacttctt agaaaacaat tgataagtag 180  
 ccttgccaat agccagtggt attttgggat tccatgggat ttcattgggt caacattggg 240  
 cagcaactca attagatgta agccattcct gggactgaaa ggtttccttg gagaggaaag 300  
 atgtctagtt ggagtactgt ttcccttggt gtttagtgac tccatttaga tttaatcata 360  
 tatgtatata ttttaagaag tttcaactgt agtaggttcc catatggacc ccaaaanntc 420  
 ttagtgctaa ctgtccctcc ctg 443

<210> 160  
 <211> 239  
 <212> DNA  
 <213> Murine

<400> 160  
 ggaattccca actcccatct cgctgagggc tgtgccatgg gctcctgtaa ccttgctctg 60  
 ctcttcaaca aagaggacca gtgggaggaa acttgtagggc ccagcatgcc caggctaagg 120  
 aactgggggg gagggccagt tggatgatcc ccagggtatt aaaacctcac tttggagaag 180  
 aggcagagct gtgttttagaa agkcaggkca gatgtgggaa gagcattgca actbcaggg 239

<210> 161  
 <211> 346  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(346)  
 <223> n = A,T,C or G

<400> 161  
 ggcgktaggc gagcagcgcc tgccatgaagc tgcgggcatt cccgatcaga aatgagcgcc 60  
 agtcgtcgtc ggctctcggc accgaatgag tatgattctc cgccagcatg gcttcggcca 120  
 gtgctcgag cagcgcccgcc ttgttctctga agtgccagta aagcscgggc tgctgaacct 180  
 ccaaccgttc nnccagtttg cntgtcgta gaccgtctac nmcgacctcg ttcaacagg 240  
 ccagggbeng hahcgatya ctgtattngg ctgcaacttt gtcattgctg aacactttat 300  
 cactgataaa cataaatatg tycaccaact tatcagtgat aaagaa 346

<210> 162  
 <211> 218  
 <212> DNA  
 <213> Murine

<400> 162  
 ggaattcccg gctcgagcgg ccgctttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt	tttttttttt	cataattgat	tattttatta	agatagttgw	ttataaactg	120
aaaaccagag	gtaaagtaac	aaattccaaa	ggctttttta	aggcataawa	tttwaaggct	180
attccaaatc	ttcttgggat	graagaaaaa	tccttttc			218

<210> 163  
 <211> 309  
 <212> DNA  
 <213> Murine

<400> 163						
ggaattcacc	cggctcgagc	sgccgctttt	tttttttttt	ttttttcccc	tccttttttt	60
tttttttaaa	ggaaaaccag	tcaaatcatg	aagccacata	cgctagagaa	gctgaatcca	120
ggtcccaaag	gcgctgtcat	aaaggagcaa	gtgggacccg	cacctttttt	ttttatataa	180
tacaagtgcc	ttagcatgtg	tcgcagctgt	caccactaca	gtaagcyggt	ttacagatgt	240
ttcccavcgc	gaattccacc	acactggcgg	ccgctcgagc	atgcatctag	agggcccawt	300
tcgccctat						309

<210> 164  
 <211> 425  
 <212> DNA  
 <213> Murine

<400> 164						
ggaattccat	attccagcct	ctaccaaag	tgctggatcc	tgatttgtgc	aatactaggg	60
actgaaccct	gatctttgta	taaactaggc	aaactatcaa	ctgataaagt	gcactgggat	120
cttggaagtt	ctgtacttgt	gattctggac	ttttggaagt	cagagaattt	taattaccca	180
gtgagtcgac	tgctgctact	caaaattttc	attagtatct	acgtgggggg	ggggggctta	240
gaaatgtaaa	cmtggggagc	tggagagatg	gctcagtggg	taagagcact	gactgatctt	300
cccatgtggt	ggctcacacc	atttttttwat	gggatctgat	gccctcttct	ggtgctgtct	360
gaagacagcv	tcagtgtaca	tatataaata	aaagaaatgt	aaacatgcmg	cttggaagc	420
aagta						425

<210> 165  
 <211> 358  
 <212> DNA  
 <213> Murine

<400> 165						
ggaattccgc	gcggggcacgg	agcaggacgg	cgggacggcc	ggccctcccg	gccggagccc	60
gcggggcgcg	chgcggggcg	gtggcccagg	gcaggcgcc	accccccccc	ccccccagca	120
gcatgtcatg	gttttagtggc	ctcctgggtc	ccaaagtggg	tgaacggaaa	acagcttggg	180
gggaacgcaa	tgggcagaag	cgcccacgcc	acgcgaatcg	agccagtggc	ttctgcvcac	240
ctcgctacat	gagctgcctc	aagaatgcgg	agccacccag	ccccactcct	gcagctcaca	300
ctcggtgccc	ctsgcaggat	gaagccttca	tcaggagggc	gggcccgggc	aggggtgt	358

<210> 166  
 <211> 376  
 <212> DNA  
 <213> Murine

<400> 166						
ggaattcgta	caggttgaac	agaattgaga	atgccttgaa	gacaatagag	agtgccaccc	60
agcagacaga	caaactgaag	gagctttatg	gacaagtgtc	gtaccgcctg	gaacgctacg	120
atgagtgtct	ggctgtgtac	agagatcttg	tcgggaactc	ccaggacgac	tatgatgagg	180
agaggaaaac	aaacctgtca	gcggtcggtg	ccgctcagag	caactgggaa	aaagtgggtc	240

ctgagaactt	gggtctccaa	gaaggcacac	acgagctctg	ttacaacgct	gcatgtgcac	300
tgatagggca	aggccagctg	acccaggcca	tgaaaatyct	gcaaaaactg	aagatcttat	360
gtcgccgtca	ttttca					376

<210> 167  
 <211> 250  
 <212> DNA  
 <213> Murine

<400> 167						
ggaattcttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttttttt	tttttttttt	tttttttttt	tttttttttc	ccaaattgtt	ttgatcctta	120
tagatttgga	gggccaactg	catttttcat	ttatactttk	kgcagggtaa	gtactttaaa	180
aaacaattaa	ttgrcttaaa	tccattaaca	tttwtgtaag	ggattatatg	gtcagccatt	240
ccttggtata						250

<210> 168  
 <211> 392  
 <212> DNA  
 <213> Murine

<400> 168						
ggaattcgga	aaatgttagc	atttaattaa	cctccggtgt	ggcttttaag	ccaccagaac	60
acaggcacct	ccaacaccct	taatcttctc	ctcagctctt	ctgctgaaga	atttggcctt	120
cacgatgaca	ggttgcttag	ggagctttcc	cttgcccaga	actttgtagt	agcctgatcg	180
aacaacatca	atgatgggag	caactccagt	cttgttthtc	mgcattgacc	cgtgtctgch	240
cgctgaccaa	tgtccacagt	ttatccaggt	tgactgttgg	gcagaagctc	tggttcctct	300
tcaagtggta	atgccgcata	ccaactttcc	caaagtaacc	tgggtgatat	ttgtcaaagt	360
tgatcctcgt	ggtgcatgcc	tccagcatte	cc			392

<210> 169  
 <211> 387  
 <212> DNA  
 <213> Murine

<400> 169						
ggaattcctg	aaggctgagg	ctgtgaagaa	ggaccgcaga	aagaagctga	cccagtccaa	60
gtttgtgggg	ggtgcagaga	acactgcccc	ccccagagtc	atccctgcac	ctgagatgag	120
acaggaatcc	gaacaaggcc	cctgccgcag	acacatggaa	gcttcctctc	aggagttcaa	180
agccagccca	cgcatggtgc	cccgtrctgt	gtacctgccc	aactgtgacc	gcaaaggatt	240
ctacaagaga	aagcagtgtg	arcccwcccg	tgccgcaaac	gtggcatctg	ctggtgtgtg	300
gacaagtacg	gaatgaagct	gccgggcatg	gagtacgtgg	atggggactt	tcagtgccac	360
rccttcgaca	gcagtaacgt	tgagtga				387

o

<210> 170  
 <211> 226  
 <212> DNA  
 <213> Murine

<400> 170						
gaattccctg	gagaagcctg	gagctccaca	tgcagagaaa	tgatctgtcc	ttgtgtctcg	60
ttctgattaa	aaacaaaaac	aatcaaataa	aaaacaaaat	kgaacaacaa	ccttagtgta	120
tggcatgaga	atgtgaaaac	actagagatg	atcaggggga	tcttcaaata	gaggcagaca	180
gccagtttct	gaagagaatt	gcagtagctc	ggaagccag	tcaccg		226

<210> 171  
 <211> 440  
 <212> DNA  
 <213> Murine

<400> 171  
 ggaattcgca gaggcaggca gatccctgtg cgtttgaggt cagcatggtc tacagaggga 60  
 gttccaggac agccagggct gtagaaaaac cctgtctgga aaaaccaaac accaccacag 120  
 aataaaacaa ggagaaacag acttgtttcc aaagtggctc ttctgaagcc cctgctctga 180  
 aagttcacgt gaccacagcc atgccccctc ttcactctgag tcaactggctt aaggcaaggc 240  
 tgcgccgaga ccatgagacc gtgagaccag atgggtgggt gacatggagg gaaggcggag 300  
 gtctggctgc tgtgcagccc tagcscagc ccaagagcac ctggtcttcc gagtcagcct 360  
 aggtcagtggt tagtcatcaa gctcacttct gagcaggga agatccagag cgccaarccc 420  
 agccccgtcc cacagatcca 440

<210> 172  
 <211> 449  
 <212> DNA  
 <213> Murine

<400> 172  
 ggaattcggt tgaattcctt caactacact cagagttcaa gtgcagacac actgtgtccc 60  
 aggtctcccg ttctctcaag ggatgacaag tgtgtgccaa tacctccgac acaagttttg 120  
 gcacaagttc cttgcaactca atactctcac aaggcgagca cttcactgag gactaagcta 180  
 taccacagcc ctgagaatgg aattttttcca aggtttccat ttagagttgg atcaactgtc 240  
 ctctctctgt cgctgggatg acatgagaag cttacagggt ggcacagggt ctgaactcag 300  
 tgctgatttg tggcgctctc cctccttctg cttccttttg taacctccgg acatgtgctg 360  
 gtccsctgcc cctcacagta ggtctctgcac tgtaagtatt gtcttataga ggagaagact 420  
 gatcaggggag aggttgagca agcagaaac 449

<210> 173  
 <211> 401  
 <212> DNA  
 <213> Murine

<400> 173  
 ggaattccag gttattatgt tggtttttggt gttttgtttt gtattttttg agataaggctc 60  
 tcaactatgt gccctggctg gcctggaatt tacagaggct agcctgcctc tgcctcttaa 120  
 gtgctgcaat taaagtcctg gactatcact tcaggccctc tgaggctcagt ttaaatcagc 180  
 ggaaataact ttatcattct ggctttgctc ttcccagata cctacactct ttcttcaactg 240  
 atactcaggs ctgaaccaac ttttatcatt ctggctttgc tcttccgaat tccaccacac 300  
 tggcgggcgc tcgagcatgc atctagaggg cccaayccgc ccctatagtg agtcgtatya 360  
 caattcactt ktcgtcgttt tacaacgtcg tgactgggaa a 401

<210> 174  
 <211> 369  
 <212> DNA  
 <213> Murine

<400> 174  
 ggaattcccc ggctcgagcg ccgctttttt tttttttttt tttgaaagtt tcagatgttt 60  
 ttattcaaaag gttctcaaaa gaaataaaaac agaaaaagct aacaatctga tcaaagtgtac 120  
 agttcaaaaaa tgtctttttg cgtttaacaa gtccctaggaa agaaaactac agagtcactc 180  
 tgaaccggta aataagtcac cactggcaag tatgtagcac tagtagaaca aaaataaaaaa 240  
 attaactctc ttgatcatat agatatctct atgaaaatct tttttttcaa tctgtacaaa 300

aggtctttct	tcataaatta	atTTTTTTta	taattttaatg	gctgtctacc	ccggctcgag	360
cgccgctcg						369

<210> 175  
 <211> 367  
 <212> DNA  
 <213> Murine

<400> 175						
ggaattcata	attaatagca	acaaacggcc	gtctcgctgc	ctgccgcagc	cgcagggtgc	60
ttttgcagac	ctgacgagca	atTTTTgtga	aatacgtagt	acgaagggaag	aaagcttggc	120
gggtcttcac	tgcagacttg	gggttccegg	tgttccggac	cggcatgccc	tgcaaggcct	180
gccgggacat	gtggcttctt	gcrcgcggt	cctctgcagt	cgggttgga	gacttctctt	240
cgtctgactg	ggtaggcatt	ttcagacctc	catacttttc	caatacagcc	aacaggctcg	300
vcagagtcta	cactgcatgt	taggtgggcc	ccaggaatac	cactgatgag	actgtgtggc	360
gtasagc						367

<210> 176  
 <211> 387  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(387)  
 <223> n = A,T,C or G

<400> 176						
ggaattcaaa	gaggtctgct	agccggtaga	catcaaggat	attctcctca	tctacccatg	60
acatgaggaa	atcacagcag	aagtggataa	tttctggtat	ctgaagttgg	caggcagcaa	120
ccagggtctc	ctgcacattg	ctcaggctga	gctctagttc	agaagtgtat	atgaagtgca	180
ggatttggca	catggcattg	taagacacac	cgtggatcaa	gacctcttcc	wgctccawct	240
ccttcaatcc	cccagcaaac	attcctctga	aataatcaca	cgatgcagct	agcagaatcc	300
gatgggctc	aatgtgcttc	ccctcagtga	ccaggccaag	tacctgaatc	ctcttactgg	360
ggaaathgga	amaatttmnn	tggcttt				387

<210> 177  
 <211> 514  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(514)  
 <223> n = A,T,C or G

<400> 177						
gaattcggtt	tgcctatTTT	catgtgtaaa	ttcattcaag	tgatacaaga	gccctaaaaa	60
tcaacccttg	attcatcaaa	aaatatttat	ttaaaaaaa	gagagagagg	gcccaggcat	120
ggtagctcac	acatgcttat	aatcacacac	ttgggagggt	gagccaaaga	actgccatga	180
atgtggagtg	agcatggttt	aaaattcaac	cctgtctcca	aaacaggaga	gggaaggggg	240
tgggagattt	gaaaattcat	atacaggaga	aattaacaga	caatattatc	agaaaaccaa	300
agtacactta	aaactgcacc	atcactctgg	ttcatcaggc	cagagtgaat	gcttgtgact	360
acactgtcgt	ccacctgctg	aggatgtact	tattctttac	tacaataact	tctaaagtat	420
nctcatagtt	hacagcaakk	ccaganccta	ataattatct	aatctagngt	ttctcaacct	480



tngcgatcac aaataatcta tgtactaaga cact 514

<210> 178  
<211> 99  
<212> DNA  
<213> Murine

<400> 178

gattctttat cactgataag ttgggtggaca tattatgttt atcagtgcac aamgctgctc 60  
aagccatgca caaagctgag ccgcgcccga atvcvgtga 99

<210> 179  
<211> 357  
<212> DNA  
<213> Murine

<400> 179

gaattcggca aagggaagac acctccagct cagcccagaa gcaaagctgc tgagggggac 60  
gtggtaccag gtggggctca gcactcatcc tccccgagca gggcatacgg gtttcgggct 120  
gttaggcagg acccaggatc tgaagtgtgg gtgtcctcat ctccaaatcc ctcttcctct 180  
gcatcccggt cctcctctcc ttactccwca caggagctgc tcagtctctc ctctctctcc 240  
tcctmmtcat cacctgcccg cccacacctg ccctgcgaca gaccagctct gcagtctctg 300  
ggtgagactc ccagggtgct ctctgttcgc ctgtaaccag gagggtagaa acatagg 357

<210> 180  
<211> 554  
<212> DNA  
<213> Murine

<400> 180

ggaattcggg gagctatggg taggaagtgg tcccagagag gttttaggtg gaagaatcag 60  
gaggagtcac aggtcaactt gcagaattac tgaagaatta ggaccccaaa ttttatgcc 120  
attgatctat tccccctctt ttatttctgg ggccgggttt ttccctttttt tttttaatcc 180  
ctccttagct ttttatgcgc tcataatcaa ttgtacccat tccctacata acgggagcag 240  
tgatcaggta atgaatgcat cgagccatca acaccagta gagccatcaa caccggctac 300  
cacaatgtcc tgctctccac aaccttgatt tttttttttt tatctctctc tatcgcttgg 360  
cctgagttgg gactgagatc tctgtggggg ggcggccacdc accacagag aaataaaagg 420  
aattgagaag gtcgctacct ggcctgactw ctggggacag tgctggtccc cagaagttct 480  
gaggagtggg ggvggcgtgv gcacgatgtc ccctcacggt gtttaggaagg ygctcggagg 540  
ccacaaaaga tggg 554

<210> 181  
<211> 498  
<212> DNA  
<213> Murine

<400> 181

ggaattcctt aacactaata gaaataaato cattaaaato tttgaaagaa agaaaagaaa 60  
aagagtgggc tgagactcct gctaacctct gacctacact gacctgactg ctatggccac 120  
tacatattca gtaacaaact caaaaccttg aggaaccttg tgctttcagg cataccatga 180  
caagctagca tgcccaaggc cctgtgcacc atctccaacg cagaaagata agagatacac 240  
ttacatgttg gcaggatctt tagtattacc accaggtcag ccacattgtg tcctgtagtc 300  
attgttccct ttttatatga tcctacctgt ccggacttct tcaatttgca ctttcaaagt 360  
ttcctcgggg gccacaaatc aagttgtcaa tcacattgtt gattttttgt caccaaagaa 420  
aggatggaag cctgctcagc agaaattatg gggcaaggtc ttgattcctc tttcagcaag 480

gcttcacctg aaaggagg

498

<210> 182

<211> 461

<212> DNA

<213> Murine

<400> 182

ggaattcctt	aaatatgact	atggccaggc	agtgggtggtg	cacaccttta	tcccagccct	60
caggaggcag	aggcaaggag	gatctctgtg	agtctgaggc	catcttggtc	tacagagtga	120
gcttcagaaa	aggcaaggat	acacagaaac	cctgtcttga	aaaaccatac	ataaacatac	180
cctctggccc	ctttcttctc	atcacgaaga	aatagggagg	gtacataaat	tgttttagatt	240
tagcttagaa	gtttatttac	atgtctacga	gtgctctcct	gtggagctca	agagaggggtg	300
tctgatcctc	cggaagagtt	acaagaaggc	tgtgagctgc	cacgtggctg	caaggaacca	360
aatctacttg	gtgttcttgg	gaacaccagt	aggtaaactc	cttaattact	mgagctatct	420
ctccaggctc	ctagattctc	aggaaaaaaa	cctgactaat	t		461

<210> 183

<211> 477

<212> DNA

<213> Murine

<400> 183

ggaattcgt	ggggtggctc	tgtccagtga	gccaatcatt	ccttaagacc	cttctgaccc	60
ctcctgtacc	atcgggactt	aatcaccagt	ctggggaggc	attaggggaag	gggcaagggg	120
tgcagagggt	aaacctcagg	agaggaactc	aaaacccttc	aatggggcta	tgtgatacgg	180
agacttcctg	ggatgtgtca	ctgggtaatc	aacttaaaag	cttccttctg	gttcttctca	240
caggctagcc	tagaaggaaa	gcttttgcta	ggtkgaggtc	tkggggaggt	cttagtggtt	300
cctaateccc	tttctttgcc	tttactgtct	gtcatgcttg	tacacccctt	thagagcccc	360
amcccccahc	ccctkgcccc	tgtcttttgg	tcttctctgt	gggaacctaa	cyttgagaaa	420
acttgtgtcc	caaattggca	tttgctcagg	gatatctsa	tttatktctc	ttccagt	477

<210> 184

<211> 420

<212> DNA

<213> Murine

<400> 184

ggaattcaaa	ccggctcgcg	cgccgctttt	tttttttttt	tttaatgctg	ttgtttatct	60
tatatatgat	aaagtaaatg	tctttattcc	tatgttggtg	aaaactaccc	agtaataatc	120
ctggagttca	ctgtgtcaga	ccttgaggga	gtgggcaaag	agcagcagca	caatagtgt	180
tgttggtgtt	aggttggaag	ttctaatagg	caagtcagga	attcttatat	ctgtagctcc	240
tccagaagcc	ccaggcacag	gcggggctcg	gtgtgagcat	gtgcacacag	cyccaccctt	300
tcacccacc	cccdyhycag	ccaggtgttt	agtgcactga	gatgtgaaga	ctctgcttag	360
caaccagcag	taagtcctgt	ctcaatcgat	gctaggctcg	tgtgagttaa	gacagggact	420

<210> 185

<211> 301

<212> DNA

<213> Murine

<400> 185

ggaattcctg	aggacatgac	atccaaagac	tactactttg	actcctatgc	ccactttggc	60
atccacgagg	agatgctgaa	ggatgaggtg	cgcacctca	cataccgcaa	ctccatgttt	120
cacaatcggc	atctcttcaa	agacaaggtg	gtgctggatg	tgggctcagg	cactggcatc	180

ctctgcatgt	ttgctgccaa	ggcggggggcc	cgcaagggtta	ttgggggattg	agtgttccag	240
tatctccgat	tatgctgtga	agattgtcaa	agccamcarg	ttagaccatg	ttggtgacca	300
t						301

<210> 186  
 <211> 458  
 <212> DNA  
 <213> Murine

<400> 186						
ggaattcggt	cagcagtcct	ggagactgag	ccctcaactg	agggcatctg	acattctctc	60
caagttgaag	gtctgatgca	aaaccaatat	tttgtttggt	gtgtgagtat	atatccccac	120
actttggagg	cccgacagaag	taacctgtgt	tgagagaaact	gactctgggt	tttacttaag	180
aggaaaagg	ggagagaaac	tagtgatgtg	tttccctgat	agactttata	tcataataata	240
taaatcacac	atggggaata	ccaaaaggca	aaaataagca	agccactgtt	acctaactca	300
gaaaattata	ctcttcaccc	attttaggga	tgaaaacaat	tgctgtcaat	ttacaagcca	360
actttcaagg	cagaatttag	gttatccaat	caggatttag	aatatcgaac	atcttcaata	420
tctaaattta	tattatatvg	tcacaaatat	caggaccc			458

<210> 187  
 <211> 502  
 <212> DNA  
 <213> Murine

<400> 187						
ggaattcgct	ttttaaggaa	tgctgggtggt	gcctgggtag	ataattacat	cacttgttcc	60
actgtgttga	cactgttttc	ctcatggatc	tcctccattc	ctagctttct	ctgctatgca	120
ttttcttcac	agcgcagctt	gcggtccgtt	gctgaaaatt	ataagctctg	catagtgttg	180
gctttactgt	gatgacatgt	ttcttctttt	ttagctggcc	cacacctttc	tagggtccaa	240
ctacaggata	gattacagac	tttccattag	tgtctatttc	ttttactctg	tgtagacttt	300
agaaagtcta	atcaatccag	agatggggcca	attcagaatt	gactataatt	gaacacctgc	360
taaaagtatt	tatgggagga	ttgacacaca	gcatgagtta	tttgactttt	gtaggatatt	420
taaaavtcat	ttgcagttca	tgtaacagtb	gtggtcttaa	aattcacata	ataaagcagt	480
cctgttcaaa	aaaaaaaaatt	tt				502

<210> 188  
 <211> 400  
 <212> DNA  
 <213> Murine

<400> 188						
ggaattccgc	cctttgacac	tgcaacagca	tggtcatcta	caagtgccaa	gctgcattcg	60
tagctgtcct	gagacctgag	ctgtcatgtg	acccttcaat	ggcaggctgg	acacactatg	120
aagggttaagg	tccaaacttg	gtccagccag	taagaaactc	acggaaaatc	tagcttcaca	180
acaggagctc	aaagaacctt	acatactggg	catttcacat	caggcacatg	tctggggaga	240
ggactggata	ccagacctta	taatcagcct	aaacttgcta	agaacaataa	ttaggtccat	300
tttaaagagg	ttctagccac	tattcttgaa	actgatttta	ctaagtataa	atcctcayyg	360
aaatctgttc	taaaataggt	tattgaaagc	aactcctgtc			400

<210> 189  
 <211> 463  
 <212> DNA  
 <213> Murine

<400> 189

gaattccttt	gcttgatcaa	tatgtttatt	gtctttatga	aaaaatcttc	atagaaaact	60
gcttttagctt	tcagcagccc	tttcctgagc	tctgaggaag	cttgcccttc	tttgagcaac	120
ccgatctttc	ttctgggcaa	gagacatttt	gggacgattc	cacctcttct	tcttcacttc	180
tctcttgggc	ttcttctcat	agactggatt	ctctcggata	gcagcatgag	ctttcttata	240
catctcctcc	atcatgtctg	gagttacggt	gttcttgatg	tactgagaga	actgtttctt	300
atacgcatct	tcattcttct	ccattaggta	gcgcatgtag	tctgccacat	tctgacccat	360
gatgtgcttc	cgatgtacct	ctgcattgaa	ctccttgcyt	tcagagtcac	aaccagggaa	420
tygtttggta	ctatgaggga	tagacaagct	tccathcaca	rgt		463

<210> 190  
 <211> 188  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(188)  
 <223> n = A,T,C or G

<400> 190						
ggaattccgg	cttctgagca	gatcagactc	tcctcgttvn	cgcastercd	cvgtctcttc	60
cagcaaccat	gtctgacaaa	cccgatatgg	ctgagatcga	gaaattcgat	aagtcgaagt	120
tgaagaaaac	agaaacgcaa	gagaaaaatc	ctcnrcmttc	aaaagaaaca	attgaacaag	180
agaagcaa						188

<210> 191  
 <211> 276  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(276)  
 <223> n = A,T,C or G

<400> 191						
ggaattccctc	tgacctcgct	gtctcttctc	tcctctcctc	tgctctacct	ctgtctcacc	60
tctgtcaagt	tctatgaatg	actgatagaa	agctagtctg	caaccattcg	gcaggtagaa	120
atttcccttg	ctctgcaggg	agacataacc	ctctgtttgg	cgatggagaa	tgaggagcag	180
agcagtgagc	ccctggggag	gctgtaatta	agawccactc	ctgnctgagc	ctcgsgcaga	240
gcctcactcg	sgattctccc	tgtaactccc	caacac			276

<210> 192  
 <211> 608  
 <212> DNA  
 <213> Murine

<400> 192						
ggaattcgga	attcctttta	actacaagga	ttttatttta	ttagaatcta	gcctgagcca	60
gaacctttta	tggtcacagg	aagagatagc	aagtagattt	actgacatca	agaaggactg	120
cccagtgggtg	gagccagcat	ttgaaactgg	actatagagg	accaactaca	attgtgactg	180
catttgatgac	tgaatgtcac	aaaaactgct	gagaggcttg	tcatgtatat	gagagacagg	240
gaaagagtca	tagtcaagac	tggaagcatg	agcaggcaag	aagtgtacct	tagattctat	300
ccccatcagt	tctttcacat	cacatgtggt	tggcctctgt	ataataccca	gctgtattga	360
ccaggacttc	tctgtcctgc	tttgcctctg	aattttcata	gtgagcctac	cttttggtta	420

tgactatttta	tgagatagtg	ttctattctc	aggttactac	tgtggattga	acccaacatt	480
acaaacacca	gctcagcaam	gaaaaataac	caattactth	gtctctgttg	aacattgaaa	540
acacttccac	tgaaagaatg	gagtgattaa	aaaaagatcc	macmgatgac	cmaagtaacc	600
acagatat						608

<210> 193  
 <211> 278  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)..(278)  
 <223> n = A,T,C or G

<400> 193						
ggaattcaca	agatctacca	cttacagagc	aaagtaccca	ccttttgtwc	gaatgcwggc	60
cccagaagga	cgacctgaa	tatacacgag	aaaamctgga	atracctacc	cttacdgcag	120
aaccgttatt	actaatgagt	acatgaaaga	agattttctg	attaaaattg	aaacctggca	180
caagccagac	cttnacaccc	aggagaatgt	gcataangca	kmggaggcct	gasrgcatgg	240
aaacatgtgg	aagctatata	tatagacaat	trctgatac			278

<210> 194  
 <211> 488  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)..(488)  
 <223> n = A,T,C or G

<400> 194						
gaattcgaga	gagagagaga	gagagagaga	gagagagaga	gagatctagt	tgtcaattga	60
acaaggtgta	tttgagcctg	gaggcatgag	cagggctggg	tcctgcggac	cctgtgagga	120
ctgtgggatg	ggcatgggtg	ttgtctatac	tgtgggtgag	caccagtgcc	cagcgccagg	180
ctgactgact	agctgatacc	tccttggtat	ttgcagggtg	ctcttgagaa	gttcaggcag	240
gtgaaagtct	gtggcatcct	cctcattggg	cttctgccct	caccatcccc	catgtaacca	300
aagagactct	gagcvcctat	tttccctccc	tactgagaat	ccctctggac	tccanntcac	360
tcagggtaaa	agtccatcct	ttccatgacc	actgggtggg	tcttyaccat	ccacnctcat	420
cacctgtctg	aattagttga	cgctccctct	gcwccagccg	caatgggctc	agcctttgca	480
cgtgggtat						488

<210> 195  
 <211> 523  
 <212> DNA  
 <213> Murine

<400> 195						
gaattccagc	agttaagagc	actgactggt	cttacagaga	tcctgagttc	aattcccagc	60
aactgcatag	tgactcacia	tcactctgta	taggatctga	taccctctgc	tggtgtgtct	120
gaagatagtt	acagtgtacc	catatgcata	aaatgaataa	ataaatcttt	ttaaaatttt	180
tatttgctta	attttatttg	aatgtgtggt	ttacccactt	gtatgtcttt	gtatcacctg	240
cctgcctggt	gactgaggag	gctagaagag	ggcttcagat	tctctgggtc	tagagctaca	300
gctgggttgc	agtggccatg	tagatgctgg	gaatcgagcc	tgggttctct	ctgaaagagc	360

aacagtgcc	ttaaccaactg	agccactaga	cataagcatt	cagagaggat	ttgtttgtt	420
tggtgtttt	ctttgttgt	gtttgattt	tgtatttgc	cacagtggc	gcaaacattg	480
aatctgagt	ggaggtaat	cttttattt	acagaatmt	ast		523

<210> 196  
 <211> 480  
 <212> DNA  
 <213> Murine

<400> 196						
ggaattcccc	ccgccatgac	tttcaaacct	gttgactaca	ctgtagtcct	ccttggaata	60
gactttcatc	actgcttggg	tctcctctc	tgtacttgca	atgcccatct	ttaaagtctg	120
catagcagcc	aaagtgtcaa	gacaacccag	gatatgcaag	gctgcgtgag	atcgggtggt	180
aagagccctt	gacccgtgtg	gcagagcaag	ttcaggactt	agaatactac	atctggactg	240
catgtctgtt	gcagagggaa	gtctggcatc	agcaaccacg	gcattgtaac	accagagctc	300
tctgggtgct	ggtcgaaacc	tccaaagcac	atcatataca	ggatcaagac	acacacccaa	360
tycttgacag	tcttcttgtt	cagagtcatt	gaaagtttta	caacttccat	caactttatt	420
tatcagaaga	cattttaaag	gtggaggttc	tgatatggaa	gcaggamcca	rggcctatta	480

<210> 197  
 <211> 424  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(424)  
 <223> n = A,T,C or G

<400> 197						
ggaattcgca	acacctctta	gggcaggtgg	caatccaaca	acaacaaggt	cccgaggtac	60
agaaccaggc	tctgggtcct	aagcctcagg	gccttctgcc	tcccagcaac	caccagggcc	120
tcttggtcca	gcagttgtcc	ccccagcagt	cccagggatc	ccagggcctg	cttggccctg	180
cccaggtgac	agtgtctgag	cagcagcagc	agcaacagca	gactcttgga	gctctgggtc	240
ctcagggccc	tcacagacag	gtgcttatga	ctcagtcacg	ggtgctgagc	tcccctcagc	300
nggcacagca	gggtcacagc	cttatgggac	accggctacn	cncnncccag	cagcagcagc	360
agcagcagca	gcagcagcag	caacagcaac	agcvcgagca	acaacaggca	acaacaacaa	420
cagg						424

<210> 198  
 <211> 455  
 <212> DNA  
 <213> Murine

<400> 198						
ggaattcagc	ttacataggg	aattctaggg	cagtgagggg	gtttgtctca	agaggaaaag	60
gttaagtgtc	tgagggaatg	ccctggaggt	tgtcctttga	cacctgtgca	ggtgcacaca	120
cacacacaca	cacacacaca	cacacacaca	cacaggagcc	aggtatggta	ggtagcacaa	180
gcttgtagtc	acagctacat	gggcaggtga	gactggatga	tttagagttt	gaggctagcc	240
tggcctacat	ggtaagttca	aatccagcct	tggttatcta	gttgagttgt	tatctcaaaa	300
caaaacaaac	ttatccacct	atgtgagaca	atgtgagatt	ttttctctgc	tcaaagacaa	360
atgtttttct	caaaggtagc	aacaggctga	taggaacact	cttcccagaa	gagtdcacac	420
atgagchgg	gcmctgggva	tgctcagaag	aggct			455

<210> 199

<211> 410  
 <212> DNA  
 <213> Murine

<400> 199

ggaattcatc	agaagctcat	tttgttattc	ttttttttct	ttttttttta	caaatcagta	60
aagcttaaag	ccagagactt	atagattggg	tcaaatataa	tcaacagtaa	gatacagaca	120
acaagagata	cagctaaagc	cactaacagc	aacagattca	aagtaggaag	atgggcaaag	180
gtcttatcag	gaaaatgcta	atgaaaagaa	agctagatcg	caatggtaac	atcagataaa	240
ggggaaaagca	agccaagcta	cattaaatag	gggtaaggat	ggcttcgggt	agccttccaa	300
crcgtcacta	taagtttggt	tctcacttwa	ctgawctcat	ctagctcctc	cacaatctct	360
aaacagatca	tcactretca	agarcmtggt	gtgtatatac	ctcctgaaaa		410

<210> 200  
 <211> 452  
 <212> DNA  
 <213> Murine

<400> 200

ggaattccat	ggttaaagca	tatcaaataa	atactaggca	aggagtttcc	tgggagagtt	60
agaaattaaa	aaaattttacc	aatttttctgt	ctctgtgata	attcaatgcc	agtaagagaa	120
aggtattgaa	gggacaattt	tcatactaaa	aaaagaattt	ccctagtcac	gtcaccatct	180
cttataaaaga	atccagggaa	tcccagaaat	agaaaattag	tttcaggggg	acccttgagg	240
cacttttaaag	ccttttaaaaa	attacagtaa	taataaatta	gctattgctc	ttcagaggct	300
cacggaacag	ctaacacaa	aggaccaggt	ccagagttag	gtccgtatct	caggttctcg	360
agctgcccgg	ccctctttta	agcttagacg	aatttccaaa	tacaagacat	acaatttaac	420
acagactgag	tgggdctttt	tgtttagtgg	gt			452

<210> 201  
 <211> 387  
 <212> DNA  
 <213> Murine

<400> 201

ggaattccat	tctttcaaaa	acaatgtatt	atcacctgag	aaataatcca	catttagtta	60
acttttcagg	gaacttctga	actcatcata	catactccac	taccaatgt	cgacactcca	120
tttccacctc	agccagttaa	gtgtaaagta	tgcaaaacct	caatgagttg	tttctaactg	180
acagactgca	gagataaaa	caatgacgac	ggccttcaga	tcttagcaaa	aacaactgct	240
aaagtgacta	tcaaggaaaa	gaaccatttt	agaagcagtt	ttatgtacca	aggtgggttaa	300
aacttaaaat	ttgacaggca	gttggtggca	cgtgccyttw	ataccagca	cctgggaggg	360
aaaggcmggc	aggatttctg	taggttc				387

<210> 202  
 <211> 278  
 <212> DNA  
 <213> Murine

<400> 202

ggaattcagg	gagagcgcag	acaggaaaa	tgcaaaaagc	cacaggga	gtacgggtaca	60
gactcagatc	tttttatttt	caacttactt	ctcgtttatt	tccccaccac	tcctctggct	120
cctgcctaac	tgggtcgcgt	tggggatggt	tggcatggcg	ctcttagctt	ttgttcgttt	180
taattccgcg	cgccccctth	ctctcvggcg	gattactagg	tccgaactc	tgccactaca	240
accttaggag	cagcaagcty	cgccaactgg	caccaccg			278

<210> 203

<211> 591  
 <212> DNA  
 <213> Murine

<400> 203

gaattcattt	tattttattt	ttatttatta	atagtaacaa	aaatcagaag	taacaaaaaa	60
cccagttaaa	tggaatacag	aagcacagca	aatacaaatg	caatttcaaa	accactcggc	120
acagaaatct	gttgaaacca	ttttctgaag	tttaactatt	taggtcatag	gactaaccaa	180
ggcattcgga	gtgctcacat	ggatttggtt	gccgatggag	gagcctgctt	ccccaagact	240
gacagtagta	cccaagagtc	ctggtatatg	tatgtgaaaa	gacctccctg	ggtcctggat	300
cttaagagac	actgatgtta	ataaaaccac	caggaccaca	taaaaccaca	gaacaaaacc	360
ccagagcaag	cccagagagc	ttgccgtctt	gttctatagg	cttctagagg	actctaggaa	420
ctgaagaaga	tgtaatcctg	cgtgttggtc	ccatgcaaat	ctcaacccaa	gtctcccaa	480
ccaggctact	tagcagcttt	tcatgaacgg	ttcaaggatc	acctgaatct	atgggrgggt	540
cacctgaatc	tatgggaggg	tcacctgatc	tattggttsch	tcagagcaac	a	591

<210> 204  
 <211> 578  
 <212> DNA  
 <213> Murine

<220>

<221> misc\_feature  
 <222> (1)...(578)  
 <223> n = A,T,C or G

<400> 204

gaattcgatt	tattgaagca	gtaacaagtt	ggtcagatat	ttactggaaa	aaagcagttt	60
taatgggtatt	caaaaaatact	ttaaaaagta	ttctagcaca	agatttcttc	gtaaaactaga	120
ttatttttga	aaccttttct	acgtcttttg	gggtgtcagt	tggttaagtgc	tgagcttctt	180
tctattccaa	atctatcttg	cgctcctgaa	aaactgcagt	aaaggcactt	gaaagctggt	240
ttcctaagat	acgatttttt	tttccttctt	gctgggtactg	caactgttgca	ccaagtgtgt	300
gcaattttta	ttcaaggtca	tcgtgatgct	gagaagcttc	attgatcacc	tgtccatctc	360
tggtctcaac	cgtcttaatc	aggagtgttc	tttttgagtg	ggtgtcaacc	agaggaagtg	420
actccaggtt	agttctcttc	aggttcaggg	aagaaaaggt	tggcagaggc	agagaaatcc	480
tgctctcmnc	gccttcagc	agcttcctgt	aaggnggcga	ncgtcaatgt	ccagggccad	540
cttaacattg	agccagatct	tgggaattcac	gmaggtga			578

<210> 205  
 <211> 530  
 <212> DNA  
 <213> Murine

<220>

<221> misc\_feature  
 <222> (1)...(530)  
 <223> n = A,T,C or G

<400> 205

gaattccgac	ttcaccatcc	ctatcaaaat	actgtcaact	tctaaccaca	atagtgactc	60
tgtgcttgct	tgtttagttc	tgtgtgtaaa	tgaaatgtgg	aaatgaccct	ccctgcccc	120
gctggctgcc	ctcccccttc	ctttgatctt	gaccactcat	ggaagcagga	ccagtaaggg	180
accttcaatt	taaaacaaaa	aaaaacaaaa	aaacaataaa	aaggctaatt	aacaacaaaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaggg	ccghgaattc	caccacactg	gcgcccgctc	300
gagcatgcat	ctagagggcc	caattcgccc	tatagtgaqt	cgtattacaa	ttcactggcc	360



gtcgttttac	aacgtcgtga	ctgggaaaac	cctggcggtta	cccaacttaa	tcgccttgca	420
gcacatcccc	ctthbgccag	ctggcgtaat	agcgaagatg	gcccncaccg	atctgccctt	480
cccaacagtt	gccgtcatcg	ctgaatggcg	aatggrcgct	scctgttagc		530

<210> 206  
 <211> 501  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(501)  
 <223> n = A,T,C or G

<400> 206						
ggcggtaggc	gagcagcgcc	tgctgaagc	tgcgggcatt	cccgatcaga	aatgagcgcc	60
agtcgtcgtc	ggctctcggc	accgaatgcg	tatgattctc	cgccagcatg	gcttcggcca	120
gtgcgtcgag	cagcgcccg	ttgttctga	agtgccagta	aagcgccggc	tgctgaacct	180
ccaaccgttc	cgccagtttg	cgtgtcgtca	gaccgtctac	gccgacctcg	ttcaacaggt	240
ccagggcggc	acggatcact	gtattcggct	gcaactttgt	catgcttgac	actttatcac	300
tgataaacat	aatatgtcca	ccaacttatc	agtataaag	aatccgcgcc	agcacactgg	360
cggccgctcg	agcatgcac	tagaggcccc	aatncgccct	atagttagtc	gtattacaat	420
tacttgccg	tcgttttaca	acgtcgtgac	tgggaaaacc	ctggcgttac	ccaaccttaa	480
kcgccttgca	gcacatcccc	c				501

<210> 207  
 <211> 561  
 <212> DNA  
 <213> Murine

<400> 207						
gaattccaat	ctcagaataa	aggatgacca	ctggactctc	aggatttgat	gagggatata	60
tgtgatctcc	tttgaacaat	aatggtttcg	gtctgtcagc	ggcagtcagc	agaaggctct	120
ccagagtgtc	tagatcacia	gtctgtcttc	catgcactga	gagaaacgac	ttgcaccctt	180
ctggtggagg	ctcgtcaact	gctatctgct	ggaaggcttg	aattgaggct	gagtagggaac	240
ggagagagag	acaaaacttc	aacaaattct	gctgcagagg	ggacagggaag	cgaaacgcag	300
cttccaatac	ggcatcgtaa	taggagtgat	cagtatcgct	atgatctgat	gatccaatgt	360
tttgagtggc	ttctacaaaa	ctccaaaatt	tctcttgact	gtcttctgct	aagaactcac	420
tggtctccag	cagcagtggg	gcagaaaacc	actttgtggt	gagagagggt	staatggctt	480
ttgaattggc	ttctgctaag	gaaaacaggc	acggtaaggc	cagtgcatac	waggagatct	540
crtgtatgta	acggagmcct	g				561

<210> 208  
 <211> 547  
 <212> DNA  
 <213> Murine

<400> 208						
gaattcgcct	gggaatgtcc	tggggaagaa	gagcagagtg	tttctgcccc	ttggcccagg	60
cagtgcagac	aggaagaatg	catggggtaa	gggtaggcca	gtaactccac	ttgcaaagga	120
tgtagcactc	actggctagg	atgcatgggg	agagagtta	tgctgccagc	tttctcttgg	180
taccgctat	agactggcat	ccagagatgg	gtgcctggct	tgaggcctga	gacagtgatg	240
cccttctgct	ggtggccaat	gctcctgtta	agctgcttac	tgcaaggctc	catcttctgc	300
atctgtgtcc	tggtgtgtct	ccagctcctc	ctcgtctatg	gttagcagtc	cctctctatc	360
accatcatct	cgagtttggg	cttctccttg	gggtgtgcct	gcctcagaag	ccgtgtcttc	420

ttggggcgct	ggtagccggc	tgctgctgct	gcagctcccg	ctgccgccgc	cgctgccacc	480
accaacattg	ctactgccgc	ctccaccact	gctgcctcct	cctccacact	gbgctsktca	540
cccttyt						547

<210> 209  
 <211> 644  
 <212> DNA  
 <213> Murine

<400> 209						
ggaattcttt	ttttttatat	gtaaaacgac	aaaatatttt	aattttccat	gaccacaggc	60
tctcttcaag	aaggctgtac	ctgtatgacc	accaggtgac	agcatggata	atgcttcagg	120
acaagtcaca	attttgtact	aacaatcagt	tcaaccacag	cttgaaatgt	agtttgtccc	180
agctgcaaaa	gccacaagac	accaatcatg	cgtcttacct	cagtacagac	ttttataaaa	240
cacacatgta	tgtaattagc	acaataaacg	cgtttattat	gcactctaac	atagagcaca	300
ggaatacacg	ctatggagtg	cagccctcat	gtctccacag	gcaagagcta	gaggggttaa	360
caggagccca	tggtgtgaca	gcaggagctc	ggagcgcacc	actctgcacg	tgacttaccc	420
tacactgaga	actgtcaccc	tgtccagtgg	gtggcaggta	cagtctcata	aacagtgtta	480
tttcttagag	cagagatgtc	agtctggatg	tgagtcgctg	ttacctagaa	ggsattacaa	540
gtcagctcca	tagaaggtgg	gcgtttggct	ttggggtcga	gtgtaacagt	gtcccgccaga	600
cacttkcaca	cccgccacccc	tgtgccccag	gggagtgcmc	ttcc		644

<210> 210  
 <211> 442  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)..(442)  
 <223> n = A,T,C or G

<400> 210						
tggaattccc	agtgtcacgg	cactgctgct	tacagggccc	gccacctcga	cagcgggtcat	60
tcaggtagcg	gtcttcttgg	tcctcctcgt	caggaatcct	agctgggtcc	tgaaggtctg	120
caccgttgcc	ttggacaaag	tctgaattct	ccggggcctt	cacacagcag	gcacgggaaca	180
ccagcccaca	ctggtagctt	atcatgacaa	tggtttcaca	ggtctggtct	cgggccaggg	240
atgcctttcc	cagcatgcaa	cagtggcagc	acctctttat	gaagatggtc	tcaaggctac	300
tggtgtagct	gtggagcgag	gcncagcttt	cttggctcgc	tkggccargg	ttgatgcccc	360
tkgcacagtg	gcagctcttt	ccagtttggg	tgtgacaaca	tttkctcatk	ggrccattct	420
gcacdccytt	ggattctbga	gg				442

<210> 211  
 <211> 496  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)..(496)  
 <223> n = A,T,C or G

<400> 211						
ggaattcccc	tccagctccc	cgggcgggtg	ggagaagcgc	aagctcccgt	tctccgagga	60
gtgctctgat	gaggaggcaa	aaggcgattg	tctggagtct	ccgaaaagtaa	ggaagggatc	120

tttgagctgc	ctggaggccg	catagccagc	gagccactgc	gaatacacgt	tctccgtgtt	180
aggcatcgcg	gccgggggca	ggtcaaactc	cttctccagc	ttgatgcgct	tggagaaggg	240
gctcagcgag	ctgggggtac	ccagcagcag	ctttttggac	agaccccccg	aagccgattc	300
gccgggggag	cagccacgac	cattaacagt	gccatcgtct	atgcgggtctg	actcaccggc	360
caccgagtct	tyatcacaag	tgttcccyaw	ggscctcsgg	ctctggccag	gtggctacsc	420
ttatgctttt	nncccaggac	cttgtggaag	gcctctctba	agtgtctgcat	ggagctgagc	480
accatgccct	gcatga					496

<210> 212  
 <211> 430  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(430)  
 <223> n = A,T,C or G

<400> 212						
ggaattcccc	ttctcctgta	taggaggcag	ccatggcgcc	cagccggaat	ggcatgatac	60
tgaagcccca	cttcacacaag	gattggcagc	agcgagtgga	cacttggttc	aaccagccgg	120
cgcgcaagat	ccgcaggcgc	aaggcccgcc	tggcgaaagc	gcgtcgcatc	gccctcgcc	180
ccgcgtccgg	ccccatcagg	cccatcgtga	ggtgccctac	agtgagatac	cacaccaagg	240
tccgggctgg	caggggcttc	agcctggagg	agctcagggg	ggctggcatc	cacaagaaag	300
tggctcgcac	catcggcac	tctgtggacc	cgaggaggcg	aaacaagtcc	acggagtcac	360
tgcaggccaa	cgtgcagcgc	ctkwaggagt	wyckctccaa	gctcatncc	gttccccagg	420
aagccytytt						430

<210> 213  
 <211> 383  
 <212> DNA  
 <213> Murine

<400> 213						
gaattcgctt	gttctgtcat	tttctttcct	tggtaaactc	tctggggatt	ggtctgtwct	60
cagctgtgac	tatagtcaca	tcctggttcc	cagcagaaat	kgtgaaacaa	cctgcwgcct	120
agcccacagt	actacagttc	tctgttttgt	ttctgtttct	agcccgcttc	gatactgaca	180
actggagttg	aagctgcttg	aagtaagtct	gatgctttca	tataagtgaa	tttgtaggac	240
tattgctttt	wrtttttaca	acagaagtaa	ttctgacata	ttaagtggaa	aatctaaata	300
agtatataga	ttatataaca	tgattttaat	tacatkggat	ccaactacat	atgtgattag	360
ataatgtgta	tatgtacata	tgt				383

<210> 214  
 <211> 166  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(166)  
 <223> n = A,T,C or G

<400> 214						
gaattcgaaa	tccttatgct	gdnmagagga	aagccagcta	agttttnwrc	tgtgtttwrt	60
tctaaacgtg	atggtgtytc	tgaggccaaa	aagtacaagg	caagtttwnc	aatatttctc	120

tgcaaagaag caaagagaga aataagaccm sccagcaatt gaattt

166

<210> 215  
<211> 231  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(231)  
<223> n = A,T,C or G

<400> 215  
gaattcctcc gattcattta ttaggacatg atctctgatg aatctttact tcccaattgc 60  
taggcttact agcagcaagc acacctgcac gagstccaac atgggktctg gagatcctac 120  
acaggctaac aatttdcnnn vcttctaataa tgggaattctc acaccaaacc acttacctct 180  
tctttgrttt tctgbacaaa gtcaagtcaa cataggacag ggcgtcgctc t 231

<210> 216  
<211> 294  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(294)  
<223> n = A,T,C or G

<400> 216  
ggaattcaag agaaggaaaag agagagggggg agagaaadaa agaaagaaaag aaagaaagaa 60  
agaaagaaaag aaagaaagaa aaagagagag agagagagag agagagagaa ataaagaaaa 120  
rgctaaamnt ddmwrvwrct taarmtctta tagaaccaca catcattttt gtttgactta 180  
tatcccmctc bgcaatmtca aagtccagtc caacaagagt tccmgtctcg gacacacatt 240  
tggtcaggat gatggtgggt artawctvnm tgtgntctgt ctagrwcmaa actc 294

<210> 217  
<211> 506  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(506)  
<223> n = A,T,C or G

<400> 217  
ggaattcctc cagggtagtc tggaggtggt gataccatag gagaatccaa gtttacaatg 60  
gatttcataa caatttctaa agcatttctt ccatactggt taaaaaaaaa aaaaaaaaaa 120  
aagatgtttt aaccaggctc accatttggg taattttttt gaccaattaa atgctataaa 180  
ttataattgt accaaatatt cagaaactat tattttataaa tattcaggac attaattacg 240  
accgcctatt tgtgcctttt cagacagcag acattcaata tgttaatact tttttaattt 300  
ttaataactc atcttgatgt tttcccaaaa ntnccaggag tattttccaa aaggaataaa 360  
aaaaatgtat gtatagatca tgatagtgtc aatcctgtct cacatgaaaa taccagaagg 420  
caaagctaac aagagcaagc aagtagagtg gttagnnhca catcactaga gacacagaaa 480  
tgtaccttgt tgtcaaagtt gaatct 506

<210> 218  
 <211> 492  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(492)  
 <223> n = A,T,C or G

<400> 218

ggaattccag	aggaagggag	ctcagaagat	ggaacgaagg	ctgatgagaa	gagctctgac	60
caaggggtgc	agaaggtggg	agatactgat	ggcactggta	atcttgatgg	aaagaaagaa	120
gatgaagacc	ctcaggatgg	agggtcctt	ncctcaacac	tgtccaagtt	gaaaaggatg	180
aaacgggaag	aaggaacagg	ggctacagag	ccagaatatt	accactacat	ccccccagca	240
cactgcaagg	tcaaacctaa	tttccccttc	ttactcttta	tgagagccag	tgaacagatg	300
gaaggggatc	atagtgcaca	ctcaaagagt	gcccccgaga	acagaaaaag	cagctctccc	360
aagccgcaag	ctgttagtaa	gacagcagca	agcccagggg	cagaaagaac	agtgagtgaa	420
gcttctgagc	tgcaaaaagga	agccgctgtg	gctggnccct	cagagcctgg	nggcaaatgc	480
atgaaacmaa	ga					492

<210> 219  
 <211> 458  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(458)  
 <223> n = A,T,C or G

<400> 219

ggaattctaa	tcatatgtca	gagaaatagt	aacttcacca	taagtgatag	tgaaatgagg	60
aactgtgagc	tataaagaag	ttatgttaat	gtgtgagatg	tcttttcaaa	aataaagttg	120
tactatggac	aaatactatg	tgaaacttat	ttattgtaat	tttttctagt	atttataatt	180
attttataca	acttttatgt	gtttttgctt	ttcacttgac	aactaggcaa	taatcttgca	240
actttcttcc	aggtcactta	gatatgttca	gtacattacg	ttcctctagc	ttgtacaggc	300
aacatccaaa	aactcttcga	agcatttggt	cagatcttca	gtattttcca	ggtacaaaca	360
agtgtattat	ttattttgra	aaacatagtt	atatttagta	agacttgttg	tnmscmgddg	420
gtggtaattg	aagtacctta	ttccytggta	tattaagt			458

<210> 220  
 <211> 319  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(319)  
 <223> n = A,T,C or G

<400> 220

ggaattcatt	caaacactga	aaaccaaatt	ttataaacia	ccatcaaata	tatgcagttt	60
gcagattttc	ctccccctct	tgaaataaatt	tcagaagcat	acacagaggg	gtccctacac	120
taagaaggca	ccagggcccc	agtttattcc	agtttatggc	cttttcctgt	gtccgagggc	180

agccttatca	gcaggcatag	actgggtcaaa	ctagccccgg	aaagmctgct	ttatgaactt	240
caatgacgat	yccatcctca	aaaangccta	atcaacyacc	gtctccattc	ttttccmaca	300
ctgactagtt	aaacttatt					319

<210> 221  
 <211> 221  
 <212> DNA  
 <213> Murine

<400> 221						
ggaattccag	gctcgagcgg	cgtatacta	ttatatwaat	caaaacattt	atcctactaa	60
aagtattgga	gaaagaaatt	cgtacatcta	wggagctata	gaactagtta	ccgcaaggga	120
aagatgaaag	actaattwaa	agtaagaaca	agcaaagatt	aaaccttgta	cttttgcata	180
awgracttaa	cthagaaaac	cttcttaact	aaargaatta	c		221

<210> 222  
 <211> 285  
 <212> DNA  
 <213> Murine

<400> 222						
gaatthggca	taaatcaaag	ggggtgaaat	taaagcaatc	ctttctgtta	tttctcacia	60
gtggcagatc	tgtattttgt	ttatagaaga	ctgtagatcc	ttttaaatga	cagacagaat	120
tcttaarra	ttttaaggca	tggagaggta	aatgacaggt	ttgtacatgg	agtaaataag	180
gtatcaaaag	tagaaatatt	aaattatggg	agtggagaga	gagagagaga	gagagagaga	240
gagagagagg	agagatcgac	agagagaata	caacgtttgg	ttagt		285

<210> 223  
 <211> 473  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(473)  
 <223> n = A,T,C or G

<400> 223						
ggaattcgtg	acctcaactgc	ttagttcctg	gaaagcttgg	gacagacagg	ggccttggtc	60
agactgtccc	caacacccac	tccttgccat	gctcagtgtt	gggcttgggt	ttcaccactg	120
gggcagcaag	gcaggccagc	ggggcctctc	tgggctctgg	aaacaagctc	tgccacatag	180
ctctgggcac	agtccatccc	ctggggcctg	aaggagggtca	ccgggaggtg	atctttttcc	240
acctctgatt	gagcaagaca	aggccactgg	ggacaactga	acagcacagc	caaactttga	300
aacagagaga	cagggccagg	caaagtcccc	accctgcccc	cactcttyct	gcgttcababn	360
ccagtctccc	tgggggagtc	agtgacggga	tctgggggat	gttcctctcc	agatctgttm	420
actggccttt	tagaaatgcc	tcctggggat	tgtgaattag	tagagcagtt	tgt	473

<210> 224  
 <211> 342  
 <212> DNA  
 <213> Murine

<400> 224						
ggaattcata	agaatgacca	aataaaattt	tgggagcaat	aaatgtagga	gaaaaatctt	60
tgggtggggg	tttgggaaag	cttaactttt	taaaggataa	tgtcttttta	aaaagaacat	120

ctctggctct	gactgttgaa	aatacttaag	atatacatat	cagttttatt	tgccttaaaa	180
tcaaacagag	aagcaatgct	ttaacagata	aaaacagaag	gtcaaactag	ggctagagcc	240
tgttagggaa	agragaaaag	gctaacctag	kggactcagt	gggtgtaact	gaagatagct	300
accacatgca	agatgtwcac	gggcagagag	tttatcctga	aa		342

<210> 225  
 <211> 89  
 <212> DNA  
 <213> Murine

<400> 225						
gaattcgcgc	gctgtsttcc	cgtcgcgcgc	agggacctgc	cgcactcagc	ggccgccatg	60
gcacacagatg	aaggcaagct	tttkgtggg				89

<210> 226  
 <211> 283  
 <212> DNA  
 <213> Murine

<400> 226						
ggaattctct	ccattactta	cttgtctctt	cttagtgagt	ggtaaccgwt	gagtcctctaa	60
gagstctggg	gtcatctcag	gagtgctatg	ctcagcttat	gcattatggc	acccggcagg	120
ggtcattttg	ggcatggtct	gctccccaga	tcagtgtgag	caccagactg	gtgatcatct	180
caggctccct	ccctcttggg	agccccatag	cacctggtgg	ttgtctcarg	gtcttctgtc	240
ttggahtchm	tyccacacag	cctgtgggtcc	taggcaggat	tcc		283

<210> 227  
 <211> 259  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(259)  
 <223> n = A,T,C or G

<400> 227						
ggaattcggg	aatccttacc	atcacacaaa	acttacatca	gtgctgtgaa	atgtaacaga	60
aaatctgggg	atgcctgact	ttkgttatct	ccctgggtatt	ttattaagct	tgagtatggg	120
taatatttat	gctggcggtg	cattaatctc	aaaagattag	cacctatatt	ccatggattc	180
tctcghgctt	tagtccaaat	atttttaacc	ngggcatggc	agtacaccac	ctttaahccc	240
agcacctgag	ggaggcaga					259

<210> 228  
 <211> 390  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(390)  
 <223> n = A,T,C or G

<400> 228						
ggaattccca	gactgaggaa	gacccggaaa	ctccggggcc	acgtgagcca	cggccacngc	60

cgcacggtgta	agcaccgcaa	gcacccaggc	ngccgcggga	atgctggagg	catgcaccac	120
cacaggatca	actttgacaa	atatcaccca	ggttactttg	ggaaagttgg	tatgcngcat	180
taccacttga	agaggaacca	gagcttctgc	ccaacagtca	acctggataa	actgtggaca	240
ttggtcagcg	agcagacacg	ggtcaatgcg	gcaaaaaaca	agactggngt	nnmtcccatc	300
attgatgttg	ttcgatcagg	ctactacaaa	gttctgggca	aggraaavvt	ccctaaagca	360
acctgtcatc	gtgaagccaa	attcttcagc				390

<210> 229  
 <211> 415  
 <212> DNA  
 <213> Murine

<400> 229						
ggaattcggg	gaacttcact	tcaatcagct	tccgagggtt	tagggatcga	tgccagtacc	60
tgcagggtgcc	cacaggcttt	ggcaacacca	ctccggcagt	gtaaacagct	tggaatatgc	120
cctccagggtg	gacccgcgcg	gtgatctctc	ggatcaaaac	tggagccacc	ctcttagagc	180
gcagcttctt	gtggacacac	aggaagttga	tctccaccat	cttcttctct	gtgtcataga	240
tgtggatgtt	tgctgggatg	gcactgatga	acccaaccag	tttccgactt	gagaccactc	300
ggacccca	gtgccactgt	gggagccaac	ctggtkgccb	gagagcccac	aagagaract	360
tctdgggrra	tagtcgaatc	ggaacatatk	gtcatcatct	tccacggtag	tttct	415

<210> 230  
 <211> 273  
 <212> DNA  
 <213> Murine

<400> 230						
ggaattcttt	tctattaacg	atttcaatct	tcatgaagac	aaagggacaa	taagagatgt	60
catgaccca	acacttaggg	taagcaattt	ttgtkgcatt	tggtattagc	tggtcttgaa	120
ttagcttatt	caaattttct	tacaggagcc	aaaaaggagg	gagagacacc	caatttgawt	180
attttaaaat	ttaaacaag	aagtaaaca	accygttaaa	akgtttcaca	tagcacagtt	240
tggggaggga	gaacaaatca	ttttctgvcc	ttc			273

<210> 231  
 <211> 230  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(230)  
 <223> n = A,T,C or G

<400> 231						
ggaattcccc	ggctcgagcn	ngccgctttt	tttttttttt	ttaaagcaaa	atcttggaat	60
attcttccca	tatcatatat	tttatttagac	aatattatga	tttttgtctg	gtctttaata	120
cccaaaggga	tggtgttcca	ctaactcaaa	accaccagkt	ccttcactac	ctacaacagt	180
ttagratcag	ktttaaaacc	cctttctcat	caagrpgcag	gacaatttaa		230

<210> 232  
 <211> 359  
 <212> DNA  
 <213> Murine

<400> 232



ggaattcttt	tttttttttt	ttttaaatte	agacaaccaa	gttcattgga	agtgtatgta	60
aaatagaagg	taaccttcct	gcaggagaac	caaggggctc	tcctgtgagg	tagtgccacg	120
ttatgaaaac	tatgaaaact	gaaaagtatc	ctcccttttg	caaagggtct	aagctgtggt	180
acagatactt	acaagagggt	taagatgtga	gtgaacgtgt	ccctattgtg	ttctcattta	240
tagccttttc	tatgaactgg	tgatgttttg	aagtatgagt	ttatgaagtc	tctttgtgaa	300
cctggacttt	tattttctaaa	gtttgaacyk	gtgtgacact	agagkttacc	tgaatacaa	359

<210> 233

<211> 362

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(362)

<223> n = A,T,C or G

<400> 233

ggaattcccc	gaattgtaaa	taacttcata	ttgggatctg	cattaggtgg	agggtctctc	60
tgcagttcta	ttcttgaccc	agactggttg	cttatgcttt	ttatggtttc	acctcctttt	120
tycaatgatc	agtccagttt	tcccagttgg	cacaatgaaa	ttaaaactcct	ggngtccacc	180
cggggggccc	atatccaggt	ttccttgacc	tctacctcgt	cctcgaccac	caggtcccg	240
tccaccagga	ttgccagcct	gaacaacttcg	tagaaggctc	gtgattatct	ctgcagcgtg	300
ctgacacctg	tytggaggtc	ctgttttatct	gtgccatwcc	tawtcagggtg	ttgttccatc	360
at						362

<210> 234

<211> 217

<212> DNA

<213> Murine

<400> 234

gcgggttaggc	gagcagcgcc	tgcctgaagc	tgcgggcatt	cccgatcaga	aatgagcgcc	60
agtcgtcgtc	ggctctcggc	accgaatgcg	tatgattctc	cgccagcatg	gcttcggcca	120
gtgcgtcgag	cmgcscccg	ttgttctctga	agtgccagta	aagcsccggc	bgctgaaccc	180
ccaaccgttc	vccagtttgc	stgtsgtcag	accgtctc			217

<210> 235

<211> 325

<212> DNA

<213> Murine

<400> 235

gaatccgcgg	ggaccagccc	ggcagaatgg	ctcccgcaaa	gaagggtggc	gagaagaaga	60
agggccgtct	gccatcaacg	aggtggtgac	ccgagaatac	accatcaaca	ttcacaagcg	120
catccatgga	gtgggcttca	agaagcgtgc	tcctcgggca	ctcaaagaaa	ttcggaagtt	180
tgccatgaag	gaaatgggga	caccagatgt	rcgcattgac	accaggctca	ataaagccgt	240
ctgggccaag	ggaataagga	acgttccata	tcgcatccga	gtacvcttgt	ccagaaaacy	300
gtaatgagga	tgaggatccc	caaac				325

<210> 236

<211> 521

<212> DNA

<213> Murine



<210> 240  
 <211> 200  
 <212> DNA  
 <213> Murine

<400> 240  
 gctggcgcg attcttttaht cactgataag ttggctggac aatattatgt ttatcagtga 60  
 taaagtgtca agcatgacaa agttgcagcc gaatacagtg atccgtgccg ccctggacct 120  
 gttgaacgag gtcggcgtag acggtctgac gacacgcaaa ctggcggaac gggtgggggg 180  
 ttcagcagcc ggccgccttt 200

<210> 241  
 <211> 477  
 <212> DNA  
 <213> Murine

<400> 241  
 ggaattcggc aaacgctcaa ctactgagct acagtctgag ctacagtataa tttttaagga 60  
 ttttaccaat gctttaaagc tggtgcttga tgttactact tatcctggta tagatgggtga 120  
 aaattttcag atatgtggat ttttatcatt aacatggaaa aagaaaatta gttttaaaaa 180  
 gttatggatg tgtctgtgta gcaggtgcat gcattgccta tggagthcag atgtgggtat 240  
 caaagtctct gtaagtggag ttacagattg ttgtgaactg tcatgagaat acttggaaact 300  
 gacactgggc cctgggaaga gcaagcagta ctcttcactg ctgagccatt tctccagaca 360  
 gcaacatcct aaacmgtat tctggaatcc cacacccta gtcataatctt cagttaggct 420  
 aaaagattca ctcatacttt ctctctttat acaggaatct gtgtatctct gtacaga 477

<210> 242  
 <211> 535  
 <212> DNA  
 <213> Murine

<400> 242  
 ggaattcatc ctttcaaatt ataatcattc tgatagaggt attttaatat acatgctttt 60  
 aaaaacaaaa caaaaaacta ctgtcagtat gaatactgag ccagactggc atatatagat 120  
 ttaacatctt gtcctactaa gattcttaac tgtataaaaa taatatggct tttagacata 180  
 taggatacta atttcaatga gacccttattc tctttattga acattatgtt agggacagta 240  
 aaagccatgc acttacctgc taccatttgg aaaataaaac gactgtcccc aacctaaagta 300  
 agtatgaaaa ttaggctagc cttatttcat ctttaactac taaaagtaag tctatagaac 360  
 ttaaaattta agcactatta gttgtcatgg ctatatctta ttttccaaaa attaaagttaa 420  
 aagtcattaa tgtcattgat tatatacatg tatgtttttc taataattaa aatacctttc 480  
 aaatccatgg aatgtctggc ttttaaatgt aatttgacct ttcgcgcytg atttt 535

<210> 243  
 <211> 364  
 <212> DNA  
 <213> Murine

<400> 243  
 ggaattcttc tgggtcatgg caacattatc aactggctgc tggctgcata cggactcatc 60  
 atgcgcccc aatgactttgc ttcctacttg ctggcaattg gcactctgcaa cctgctgctt 120  
 tatttcgcct tctacatcat catgaagctc cggagcgcca gaggatcaag ctcatccctc 180  
 tgcctgcac cgtctgcacc tccgtgggtc ggggcttcgc gctcttcttc tcttccagg 240  
 gactgagcac gtggcagaaa acccccgag agtccaggga gcacaaccgc gactgcatty 300  
 ctyctcgact tctttgatga ccacgatatc tggcacttcc tgcctccat tgccatgttt 360  
 ggg 364

<210> 244  
 <211> 600  
 <212> DNA  
 <213> Murine

<400> 244

ggaattccac	acatgcactt	actcatgcat	gcatgcacaa	acacattact	actgatacag	60
atgtcagtat	tcccagaaag	agagttcaaa	agatattatg	actgtattcc	acgtattcaa	120
aaatatcagt	tgaataagac	taaaattaag	cttatagcaa	aaaactacac	atagtgtaac	180
aggaagaata	caagaagttg	acagcaggct	atactatgtc	acaggttggt	gaccatggag	240
acagtgactg	ctcagcagta	ggaagtgtgc	tgagtgaatc	actgagacaa	acttcttttt	300
aatgggcaga	acatccgtga	acttccttta	accaaataat	atatagttgg	aaaagtcaaa	360
gaaaaaagaa	tacctagaaa	agtaatatct	gaaaaatttc	caaattttgt	acaaaccatg	420
aatccatata	ttcaagcaca	agaatcaaag	aaagaattac	atttaagatt	ctaaaagatg	480
attagaaaga	gaaaattata	aatagttatg	tgttatttaa	aaaaaaaaat	ctatgacgac	540
taaggctggt	ggtatatacc	ttcactcctt	gaactcagga	agccbaggca	ggtarggtgt	600

<210> 245  
 <211> 325  
 <212> DNA  
 <213> Murine

<400> 245

ggcgcggtt	ctttatcact	gataagttgg	tggacatatt	atgtttatca	gtgataaagt	60
gtcaagcatg	acaaagttgc	agccgaatac	agtgatecgt	gcgccttgga	cctgttgaac	120
gaggtcggcg	tagacggtct	gacgacacgc	aaactggcgg	aacggttggv	ggttcagcag	180
ccggccttta	ctggccttca	ggaacaagcg	gcctgctcga	cgcactggcc	gaagccatgc	240
tggcgagaa	tcatacgcat	tcvtgcccga	gagccgacga	cgactdgcgc	tcatttctga	300
wcggaatcc	cgcacyttca	ggcag				325

<210> 246  
 <211> 239  
 <212> DNA  
 <213> Murine

<400> 246

ggaattcgta	agaacaagca	aagattaaac	cttgtacctt	ttgcataatg	aactaactag	60
aaaacttcta	actaaaagaa	ttacagctag	aaamcccgaa	rmcaaacdag	ctacctaaaa	120
acaattttat	gaatcaactc	gtctatgtgg	caaaatagtg	agaagatttt	taggtagagg	180
tgaaaarcct	aacagcttgg	tgatagctgg	ttaccaaacm	tgaatttaar	ttcaattttt	239

<210> 247  
 <211> 377  
 <212> DNA  
 <213> Murine

<400> 247

ggaattcgtc	ttgtctggac	aaaaatgggt	ggtttaaaag	gccaaagaaa	gtgctggtag	60
aaatgagagt	actaattagc	ctccaaaaag	agactgttct	cattgtcttt	gtacctcagc	120
catagcctgg	tgcaactggc	acatggtcag	tgtctcagaa	aatgtttgtt	gaatgaatgt	180
tgtttggttg	tttggttggt	tgtttgatt	ctggaaatta	tttggttgac	acaaagacac	240
ccagcaccta	ctgggtgctc	actgttggtg	gagactaggg	ctgghhvctg	ggcagtaggg	300
acagcctcat	tggttaatta	aggatttttt	tgcaattccv	ggcgatttac	aaggcacttt	360
cttgtgagtt	atgtagt					377

<210> 248  
 <211> 452  
 <212> DNA  
 <213> Murine

<400> 248  
 ggaattcccc taatctccat taacgaaaat gaccagacc tcataaaccc aatcaaacbc 60  
 ctagcattcg gaagcatctt tgcaggattt gtcattctcat ataattattcc accaaccagc 120  
 attccagtc tccacaatacc atgatttttta aaaaccacag ccctaattat ttcagtatta 180  
 ggattccctaa tcgcactaga actaaacaac ctaaccataa aactatcaat aaataaagca 240  
 aatccatatt catccttctc aacttttactg gggtttttcc catctattat tcaccgcatt 300  
 acaccataa aatctctcaa cctaagccta aaaacatccc taactctcct agacttgatc 360  
 tggtagaaa aaaccatccc aaaatcacct cawctcyttc acacaaacat waaccacttt 420  
 aacaaccaac caaaaaggct taattaaatt gt 452

<210> 249  
 <211> 499  
 <212> DNA  
 <213> Murine

<400> 249  
 ggaattcgaa aaaacaaaaa aattctgcat gtcagatgc acagactaag actgggtaac 60  
 ataagccatg caattgccaa cgtgctacca taatatatag tatagttagt attgtcatca 120  
 catgacagta ttcagtgcga tagttatgta agatttactg aattgtaaag aattggaatg 180  
 catataggat atatttgatc agttttctta catttagcat atttatatta cccatcttat 240  
 ttgtgttatc tctaattgtt cattatggct cgagccttat aaattaatgt cactcacaaa 300  
 ttcttattag ggaaaatagc cgtatgctac ctgctaatac ttaccaaatt agtatcttac 360  
 ttcaaaagat gttttgctaa aatttttaata aggaaatagc atgctatatt ttctaatttt 420  
 aatttatatgt gaacaagtca acataattta tatgarttta aatctccaga tacttcagaa 480  
 attggtgctt gtacacgtc 499

<210> 250  
 <211> 399  
 <212> DNA  
 <213> Murine

<400> 250  
 ggaattcagc agagcacact cccaagtgc cagatttaac acagtagcga ctatttgcatt 60  
 ttacaggact tttcaacaat ctgaaaaaag atcaactgtt gaagatctgt aggtatgtta 120  
 caaaaaccac tggagttctt gtacaacagt atgcgttctc agcaaaaacca acaccaggag 180  
 atccgcatgg caactgagta accgatccac tcccgccaac ccaggggcag gtctccgtga 240  
 gctctaagct gtcttatata aaagttaagg caaagtcatt ttcaagttaa aataaaattc 300  
 aagtccttaa atatttggtt ggaaataatt ttttttcctt agaaaaaaaa aaagrraaaa 360  
 gaaacaaaaa caaccttcag tctcattaa wagcatttt 399

<210> 251  
 <211> 183  
 <212> DNA  
 <213> Murine

<400> 251  
 ggaattcgtt ttatcttaaa atcatatgtt taaggcagta agacactaaa ccaaaacaaa 60  
 aaacaaaaaa caggacatt ttaacaactc aactcccatt gttctctgtg gcattttattc 120  
 agcaagcaca tggaaatagc aaamgagaat ctacaatagc tgtcccaaat gcaattacac 180  
 atg 183

<210> 252  
 <211> 396  
 <212> DNA  
 <213> Murine

<400> 252  
 gaattcgttt tatcttaaaa tcatatgttt aaggcagtaa gacactaaac caaaacaaaa 60  
 aacaaaaaac arrracattt taacaactca actccattg ttctctgtgg catttattcc 120  
 agcragcaca ggaaatagca aagagaatct acaatgctgt cccaaagcaa ttacacrtgg 180  
 aaagwttacc aatgcagggc tgggstttga aagccaaagt gttagtgmag awacagagct 240  
 tgacacctag caagragara cgagtttgga gcsttggtgc tcaagtmgtg aaagattgaa 300  
 mtmtttgaag tmgttcatta gtcacaaaag gtcactatgm aatagttgcr acttttaggtg 360  
 taaatctgtg tggggagttt ttatagcett tggcag 396

<210> 253  
 <211> 407  
 <212> DNA  
 <213> Murine

<400> 253  
 ggaattcccc cctttttacca gtggatggac acagagaact tcgtgttgcc tgatgacgat 60  
 cgccgtggca tccagcaact ttatggaagc aagtcagggc caccacaaa gatgccccct 120  
 caaccagaa ctacctctcg gccctctgtc ccagataagc ccaaaaaccc cgcctatggg 180  
 cccaacatct gtgacgggaa ctttgacacc gtggccatgc tccgaggaga gatgtttgtc 240  
 ttcaaggagc gatggttctg gcgggtgagg aataaccaag tgatggatgg ataccaatg 300  
 cccattggcc aattctggag gggcctcctg catccatcaa tactgcctac gaaaggaagv 360  
 mhcaaatttg tcttcttcaa aggagataas actgggtgtt tgacgaa 407

<210> 254  
 <211> 354  
 <212> DNA  
 <213> Murine

<400> 254  
 ggaattcccg gctcgagcgg ccgctttttt tttttttttt ttttttttaa tcattaaggt 60  
 aattttatta atatatatat ctgcagatca agtgaatggt actaatgaat agttttgggt 120  
 acctcaccct ctcatgtata aactgaaga ttcttccact ccatgttcac tccagactct 180  
 cagtttttaa gcaagcatca cagaatacca ggctcttaca gtgatcgga gcyagagctc 240  
 ttacacaaaag ccatactcca cmhgctgaca gtttctttag taatacatat agtactatca 300  
 gataactcat tccaacaaca aaaaattahh cattatgtca accaattgcb ccat 354

<210> 255  
 <211> 575  
 <212> DNA  
 <213> Murine

<400> 255  
 ggaattcagc agagcacact cccaagtgca cagatttaac acagtagcga ctatttgcatt 60  
 ttacaggact tttcaacaat ctgaaaaaag atcaactggt gaagatctgt aggtatgtta 120  
 caaaaaccac tggagttctt gtacaacagt atgcgttctc agcaaaacca acaccaggag 180  
 atccgcatgg caactgagta accgatccac tcccgccaac ccaggggcag gtctccgtga 240  
 gctctaagct gtcttatata aaagttaagg caaagtcatt ttcaagttta aataaaattc 300  
 aagtctttaa atattggatg gaaataattt ttttcttag aaaaaaaa agaaaaaaga 360  
 aacccaaaaca accttcagtc tcattaaata gcattttgtg gaataagctg tatggttaca 420  
 tatagcagga aatagtttaa tgtctgctgc ttagaatact taaagaaaaa tcttaggcgt 480

tttaaaacaa aataatttat ctgtaacttt attatgaact tgctaacttg actgcactct	540
cgctcctcag aagtgccgct tctgacaatc tagga	575

<210> 256  
 <211> 588  
 <212> DNA  
 <213> Murine

<400> 256

ggaattcccg gctcgagcgc cgcttttttt ttttttttta aatgccatag cagtagtagt	60
tgggtctggg ggtggcacac actttttaatt ccagcgcttg aaaggcagag acaggaggat	120
ctcttgagtt taaggctagt ctggtctata ggcctgcaag gacttgaggg gaaataaaaag	180
gtcactacaa gccatttctt attttaacca atagcattaa attgtgccta tagtgattct	240
tagttgagac attgttcaga atgacttcat tctgtatgct tttgcctatg tctgtgttgt	300
atgcattaaa tatttttgagt gacaatcttt tagtaattat attttttcca cagaataata	360
aaatatagga atcttaagca gtgtatgtaa caatatcttc cttgacgtag acagcacata	420
cttttaaaat acaacttagg caagcaaaca cttttgtact taataattta atgaatagaa	480
gttagttttg ttttttagtct taagggtgaa aaggtaactc aggcctttaa gcaagacmgc	540
accaagtgcg agctgtgatg tscacagcagt gtaactcttc cccacccc	588

<210> 257  
 <211> 205  
 <212> DNA  
 <213> Murine

<400> 257

ggcgcggtatt ctttatcact gataagttgg tggacatatt atgtttatca gtgataaagt	60
gtcaagcatg acaaagttgc agccgaatac agtgatccgt gcccctggac ctgttgaacg	120
aggtcggcgt agacgggtctg acgacacgca aactggcgga acggttgggg gttcagcagc	180
cggcgcttta ctggccttca ggaac	205

<210> 258  
 <211> 249  
 <212> DNA  
 <213> Murine

<400> 258

ggaattcgtc gagcggcgct tttttttttt tttttttttt ttttaacata agcaggcatg	60
gtgggtcagg cctgtaatcc cagaatgtgg ggctgcaata gcatgtcact gtgacttttv	120
vcccatttca aaaatccact taaaccatcc ccaaaacgag tgtgagagag gattacagat	180
aactaagtaa aaaatgtcag tggtcaccgt tatctattcc tgggtcagaa gcggcatgtc	240
catgaagge	249

<210> 259  
 <211> 389  
 <212> DNA  
 <213> Murine

<400> 259

ggaattccaa cgggttgaana cttctggatt agagatttag agctgtgctt ctggcaactg	60
tgttcttcca tgggtggactt ccagctaaac agcactgatt cttgtccctg tcatgtcaga	120
tactgcaggg tactcactca ccacagtaaa gtcatgcttt caaaaaccact cacagctact	180
caaaggcaac ggcaaacaag ccccaaacat ctcatggcta tattaacctg gaattctgtc	240
acgtcaggag cattottata gacaaaacaa tgtaaaaactt aggatattaac aacacagtac	300
tgggtgtcacg ccagagaatct taccatcat cccagaagag accagcacca agggtcagag	360

gatggaattt kccatacaag atgagggac

389

<210> 260  
<211> 228  
<212> DNA  
<213> Murine

<400> 260

ggaattcccg	atgctgcttg	gaagccttgg	ctgaaacvct	accacagcca	gacctacggc	60
aacgggtcca	aatgtgatct	caacgggaag	ccccgagaag	ctgaagttcg	gttcctgtgt	120
gacgagggtg	cvggcatatc	tggggactac	attgaccgag	tagatgaacc	cgtctcctgc	180
cctacgtact	gaccattcsc	acgtcaagvc	tctgccgcat	cctctcct		228

<210> 261  
<211> 429  
<212> DNA  
<213> Murine

<400> 261

ggaattcggc	gcacaccttt	aatcttagca	cttggtaggc	agaggcaggt	agatttctaa	60
gtttgatgcc	agcctgatct	acagagttag	ttccaggaca	gccagggcta	cacagagaaa	120
ccctgtctca	aaaaaacaaa	acaaaaaaca	aaacaaaaaa	aagtatgggc	aaaagagaag	180
aaaaatatcc	cgaaaagaac	aataataaga	atgatgttcc	ctttgactga	ggggctttgc	240
atattacagg	gataccggcc	tgagacagct	gcctcaagac	agggacagcg	agcctcctca	300
gagtcacttt	gttccaagtc	ccagagtcac	cccctatvyc	tcgatattgt	acctttaaca	360
cmkgttgtta	aatggccagg	catwtgacaa	accagggaaa	taagtctata	atgaggaaga	420
aattgttcc						429

<210> 262  
<211> 493  
<212> DNA  
<213> Murine

<400> 262

ggaattcctt	ataattaatt	agaggtaaaa	ttacacatgc	aaacctccat	agaccggtgt	60
aaaatccctt	aaacattttac	ttaaaattta	aggagagggt	atcaagcaca	ttaaaatagc	120
ttaagacacc	ttgcctagcc	acacccccac	gggactcagc	agtgataaat	attaagcaat	180
aaacgaaagt	ttgactaagt	tatacctctt	agggttggtg	aatttcgtgc	cagccaccgc	240
ggtcatagca	ttaaccctaa	ctaattatct	tcggcgtaaa	acgtgtcaac	tataaataaa	300
taaatagaat	taaaatccaa	cttataatgtg	aaaattcatt	gttaggacct	aaacbcaata	360
acgaaagtaa	ttctagtcac	ttataataacc	cgacagctaa	gacccaaact	gggattagat	420
acccactat	gcttagccat	aaacctaact	aattaaattt	agcraaaact	atgtgcmga	480
gaactactag	cca					493

<210> 263  
<211> 370  
<212> DNA  
<213> Murine

<400> 263

ggaattcggg	ccaacacgca	ggattacatc	ttcttcagtt	cctagagtcc	tctagaagcc	60
tatagaacaa	gacggcaagc	tctctgggct	tgctctgggg	ttttgttctg	tggtttatgt	120
tggtcttggt	gttttattaa	catcagtgct	tcttaagatc	caggacccag	ggagggtctt	180
tcacatacat	ataccaggac	tcttgggtac	tactgtcagt	cttgggggaag	caggctcctc	240
catcggcaac	caaatccatg	tagcactccg	aahccttggt	tagtcctatg	acctaaatag	300



ttaaacttca gaaaatggtt tcaacagatt tcystccgag tggttttgaa attgcatttg	360
tatttgctgt	370

<210> 264  
 <211> 338  
 <212> DNA  
 <213> Murine

<400> 264	
ggaattcgtt tttggttttg ttttggtttg ttttggtttg ttggtttggt tgagaaaggg	60
tttctctggc tgtcctggaa ctcaactctgt agaccaggct ggccttgaac tcagaaatcc	120
gcctgcctyt cctcccaagt gctggaatta agcaccacca ctgcctggcc tctttttttc	180
ttctgaaggg ttttccctc ccttttccct ccatcaccga ctgatctcta gcagcaattc	240
ttcttcccggt ttcttctgtt cctcttygga gaggatctca cctttctgaa gaaaggaggg	300
ctgcctctgc ctcccaagt ctggaagaat tccaccac	338

<210> 265  
 <211> 394  
 <212> DNA  
 <213> Murine

<400> 265	
ggaattcgaa gtctgaaggc atttttagaca ggagactgag aagtactgaa gaatggccta	60
tacagagttt agagcactag csgtagcgta caagactgcg ttcrgttctc agcaccaaga	120
aataaagggtg tcagtsagag taggattatc aagctcttgc tcctgaccga gcacttgctc	180
cgaccaacac cagtgcacaa cacgtagctg ctgagccttg tggctgarcc cttockckcc	240
cccattctct ccatcrtctg acttggtctg cttcttgaaa gcctggactt aagtcctaca	300
gatccttctc tgtgtcagct tctcttttgt cagagtgtcc tctgtgcttc tggctgcctc	360
cgttccctc tcaatctcct ttctttcatg tttc	394

<210> 266  
 <211> 442  
 <212> DNA  
 <213> Murine

<400> 266	
ggaattccta tagacacatc atgacaagca tgcccacagg gtactaagct tttcggtcta	60
taaaaactag tgcctataac tgtgttgccct ggctccttagc agtcttctac atttggtaat	120
taagttaatg gaagggattt gcaccagct caacctccaa atgaaataat tttgttcaca	180
tatcttagca gcttctagca atcgagtcac aggagttgat tacagagcaa gcgctgtgtc	240
ttcatctctg tgetttctgac cttaggtcca aaagaagagg atgagcgggc ttwggcttct	300
gcgcctgadc agccagccct tcwtmcagag gtggttaacca ggatgcagtt yccacaggtg	360
ggccatccct cttccagcct gcgagtcaca gccaggkgca gatgggawac aagaagtcac	420
agactgtgag gtcaacaata tg	442

<210> 267  
 <211> 341  
 <212> DNA  
 <213> Murine

<400> 267	
ggaattccaa tgattttgca attacaacaa tcagtccttc aatttttrcc gatgaagggg	60
ggaaactttg gaggcaggat ctctggacct tatggtggtg gaggccagta ctttctaaac	120
cacggaacca aggtggctat arcrgttcca gcagcagcag tagctatggc agtgcaggag	180
ttctaattac atacagccag gtaagtcctc ctttgtgtgt gtttdctaaa tgttataatt	240

gaacccagta	acccaaatgt	agctgagcag	tacaacatag	ttaacattat	aatttcagta	300
aaatggtgga	tgttaagtta	atatgcagtt	ccgccaaatt	t		341

<210> 268  
 <211> 376  
 <212> DNA  
 <213> Murine

<400> 268						
ggaattcctg	agccagagcc	agaagacctc	aacactgtct	cagaagatgg	agacgccagc	60
ttagaagatc	tggaccctga	agcagacgaa	gctccacgat	ccatcttggg	gaagccagac	120
ttggattccc	aagatctgga	tcccatgtct	tcgagtttcg	acctcgatcc	tgatcctgac	180
gtgattggcc	cggtgccact	agttctcgac	ccaagcaatg	acacccccag	ccctgctgct	240
ccagatagtg	gattcccttc	cttctggggc	tactgccac	ccccgaaaat	cttggggccac	300
cagtcacagc	gtgcttctg	cccctgccag	tccacctcgt	ccgttctctt	gtgctgattg	360
tgggcgagcc	ttccgt					376

<210> 269  
 <211> 322  
 <212> DNA  
 <213> Murine

<400> 269						
ggaattcccg	gtcataggct	gggaggaagc	aacagcgaag	gtcaggaaca	gaggcaaaac	60
actttccacg	aattccccct	tcatctgcac	agcaacagtc	tactagcatg	gaagtcgagg	120
ctaggtgcat	tctgggtccat	ctacagtccg	gttacctagt	tactccctct	ccccgccaca	180
cacacacaca	cagctgagat	gccggcaggt	aactgtttcc	taagacatat	gggtgtcatt	240
tgtgcacctc	aggcttgtcc	aggaacaccc	tatgtvgggc	tagacacatg	gggcactcac	300
actagcaaa	ggcctgtgat	tt				322

<210> 270  
 <211> 387  
 <212> DNA  
 <213> Murine

<400> 270						
ggaattcgaa	ggacttgcca	cattcttcac	acttgtaggg	cttccctcct	aatgaatta	60
tctgatgatt	ttgaaatact	tctttcccca	caaagatggt	gccacattct	ttgcacgtat	120
agcattttcc	ccctggtgag	taagagttga	gaaatgatga	aaacactgcc	aaaatctgta	180
tatctatact	gatagttttt	taaaaacaac	atttactcct	atttgcattg	gtctgtatta	240
atgagatgct	atattcaatt	ttctgtacct	gtattcagtg	aactacaatt	taaaacacag	300
gataagtga	agtcacgtag	actcccttga	acaaagaaga	caatggcmac	atagaacaag	360
ggagggrata	gaatattaaa	taaaatc				387

<210> 271  
 <211> 103  
 <212> DNA  
 <213> Murine

<400> 271						
ggaattcccg	gcacaatgga	aaaggagata	gaaagcrrc	acctctgggg	aagaagcata	60
acctcttaaa	acagactaaa	tvgcagggcc	achtgtgaa	gat		103

<210> 272  
 <211> 527

<212> DNA  
<213> Murine

<400> 272

ggaattccaa	cttgtattta	aaattcagtg	agcattgact	gtgtgccttc	tgtatacagt	60
taagaccagt	tttgggtgtg	ctgccatgac	accagagggg	gttgggtggca	ttgggtgggt	120
gggtgcttag	taatgaggtc	agagcgactg	ataaggcaaa	agtaaaagaa	gcaaaactaa	180
gtatagagaa	ggggtaggca	ttcaaaccce	agaggacctt	gattttaagtc	cccatttata	240
gagagtacca	tcttgagaga	ccttgcaaag	ggctttgtgc	tgcgttcaaa	tgttattgtt	300
tctcttgtag	actggatgcc	ctcagcatcc	cgtaaacttg	ccaatcatgt	ctctcagcta	360
tgctcatctc	agcccgtgga	tagatagcct	accagctttc	ttctgtctgg	aacttgcccta	420
ctgagstgga	ccagtcatac	catcccagtt	cccactgact	actacttgcc	tctgcagtca	480
cccatggtag	tacttagcac	agatctatct	ttgtaatgtg	tttttaa		527

<210> 273

<211> 325

<212> DNA

<213> Murine

<400> 273

ggcgcgatt	ctttatcact	gataagttgg	tggacatatt	atgtttatca	gtgataaagt	60
gtcaagcatg	acaaagttgc	agccgaatac	agtgatccgt	gcgccctgga	cctgttgaac	120
gaggtcgccg	tagacggtct	gacgacacgc	aaactggcgg	aacgggtggg	gttcagcagc	180
cggcctttac	tggcacttca	ggaacaagcg	ggcgtgctc	gacgcactgg	ccgaagccat	240
gctggcgagg	aatcatacgc	attcgtbccg	agagccgacg	acgactgggc	tcattttctga	300
tcgggaatcc	cgcagcttca	ggcag				325

<210> 274

<211> 431

<212> DNA

<213> Murine

<400> 274

gaattccccg	gctcgagcgg	ccgctttttt	tttttttttt	tttttcaa	taatatatac	60
tattttatta	caaattttaa	aaaaaacaaa	aaaatgcaac	atcctaaaaa	aaatttttac	120
tggtaataca	aattcctatg	aagttttttt	ttttgctagc	ataagaaatt	aaagaaacca	180
ttaaataatt	agaaacattc	aacatcaaaa	gcttttaa	taactgtagt	tgtagccctt	240
gaaaaagcta	caaactcttc	ttaaaaagta	ttttctctac	aaagaatctc	atcagctata	300
caaaaatctg	tacagttttt	atactgavgc	taatgttgag	ctgcacttga	atttcacatt	360
cttagcaaaa	taattgcctg	agcaaatata	ctccacactt	taggacagcc	acttattctt	420
catcctcttc	t					431

<210> 275

<211> 419

<212> DNA

<213> Murine

<400> 275

ggaattccccg	gctcgagcgc	cgtttttttt	tttkgggggg	cttactccag	cgatgtctat	60
tagcagagac	atgggccagg	gaagggtgat	ggatacagcc	aggggtggga	tatcagcctc	120
aaagtgcaga	gctttgtctt	gaatctcagc	aggcagccaa	agggactgag	acaaagctct	180
tcctttcaag	ttggcatggc	aatcaacttg	gaaatcaggt	tccccggg	ttccttcta	240
acaaaggatc	cagcctcctc	caactgggtc	tccactcagc	ccctgtagaa	aagtbctgac	300
agtatttaagt	tctactcttc	cctaagaccc	caggaggtcc	tcaccgtgca	tagatgtgcc	360
atctgttctt	gagaaaccaa	agcactttgt	agtcttacia	cccataatac	ttacagtat	419

<210> 276  
 <211> 360  
 <212> DNA  
 <213> Murine

<400> 276  
 ggaattcgct tgacaacctg caggcaggct ctgggaggcc gagacatcgg cgaagagaac 60  
 agagagtcgg cggggacaga tctcaagacc agagaatggc aggtgaacag aaaccctcaa 120  
 gtaacctctt ggagcagttc attttattag ccaaaggtag cagtgggtca gccctcacca 180  
 ctctcataag ccagggtgcta gaggtccttg gagtttatgt ttttgagaa ctgctggagt 240  
 tggccaatgt tcaggagctt gcagaaggag ctaatgcgcg tatttgcagt hctgaacctg 300  
 tttgcctatg gtacatrcct ggattacata gccaacragg agagcctgcc agaactgagt 360

<210> 277  
 <211> 337  
 <212> DNA  
 <213> Murine

<400> 277  
 gcgktaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca 60  
 gtcgtcgtcg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttcggccag 120  
 tgcgtcgagc agcgcgccgt tgttcctgaa gtgccagtaa agcscgggt gctgaacccc 180  
 caaccgttcg ccagtttgct tgtgtcaga ccgtctaccc gacctcgttc aacagggtcca 240  
 gggcgyacgg atcactgtat tggctgcaac tttgtcatgc ttgacacttt atcactgata 300  
 aacataatat gtccaccaac ttatcagtga taaagaa 337

<210> 278  
 <211> 334  
 <212> DNA  
 <213> Murine

<400> 278  
 gcggtaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca 60  
 gtcgtcgtcg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttcggccag 120  
 tgcgtcgagc wgcgcccgct tgttcctgaa gtgccagtaa agckccgggt gctgaacccc 180  
 caaccgttcg ccagtttgct gtygtcagac cgtctccgac ctcgttcaac aggtccaggk 240  
 cgcaavgatc actgtattcg gchgcaactt tgtcatgctt gacwchttat cactgataaa 300  
 cataatatgt ccaccaactt atcagtata aaga 334

<210> 279  
 <211> 419  
 <212> DNA  
 <213> Murine

<400> 279  
 ggaattcccc ggctcgagcg gccgcttttt tttttttttt ttttaatttaa ataaataccc 60  
 cgctcctccc tccaccgctt tacgtttctc ctcttccccg aacatcccac ccatccctgg 120  
 ctgaccctt accccagaa ctaaataaaat gcctgtttta cagcagacca cactcactac 180  
 caaattcttg gaaaactata aatactgtca ctgtctgggc ctctctgcct tctgactctg 240  
 ctccggaggc agccacattc cctccctccc gttgactggg caaggatggc agaggcctgt 300  
 aggactggc cttbgagagt gcaaatttag ccttggttcc tccacctcct gctcaggagt 360  
 aggtcagaag ggccccagaa attccctcag actaaaataa atagcaaaat aaataccct 419

<210> 280  
 <211> 141

<212> DNA

<213> Murine

<400> 280

ggaattcgca	ggtcgccggc	gagccgcgtc	cggagcccgg	cgccgagcvg	gcctggggag	60
gcggaggcca	caccccgcbc	vcgcccaggc	bcttcccgcc	ggtgaatcat	ccccgcagca	120
gcsgetcccc	cagtccgctg	c				141

<210> 281

<211> 150

<212> DNA

<213> Murine

<400> 281

ggcggattct	ttatcactga	taagttggtg	gacatattat	gtttatcagt	gataaagtgt	60
caagcatgac	aaagttgcvg	ccgaatacvg	tgatccsmc	gccctggacc	tggtgaacga	120
ggtcggcgta	gacggtctga	cgacacgcaa				150

<210> 282

<211> 265

<212> DNA

<213> Murine

<400> 282

gaatactttt	atttagattt	tattcataaa	ttaagttgag	agcvmttatt	tgtaasghvg	60
ctctatttcc	cttgtccttt	cgtactggga	gaaatcgtaa	atagatagaa	accgacctgg	120
attvmmmcgg	tctgaactca	gatcacgtag	gactttaaam	cgttgaacaa	acgaaccatt	180
aatagcttct	mcaccattgg	grtgtcctga	tccmacatcg	aggctcgtaam	mcctaattgt	240
cgatatgamc	tcttaaatag	gatta				265

<210> 283

<211> 362

<212> DNA

<213> Murine

<400> 283

ggaattccgg	agtctccatg	ctatgtccca	ggtgattcct	ccacagtaaa	acggggagac	60
ctctgggttg	gagatcagc	gctggtcact	cttcattcac	ttgcagggag	cctcaagggt	120
aacagagctg	ggcttctgtg	agcagcatgg	cctggaatgg	ggtttggcat	ggtcagcgta	180
agatgggtcg	gaaggtggat	ctaaggaccc	ttcctagcat	ggggcaggaa	aatagagggtg	240
gtcctaaactg	ggccttgagg	ccctagaggg	ttaagtgcgb	tctcacagga	accaaggcca	300
agyctggggc	acagtttdaga	gacattccac	aaaccctgat	ccaatgawtc	aagctataag	360
cc						362

<210> 284

<211> 392

<212> DNA

<213> Murine

<400> 284

ggaattccac	kachagggga	cttggttggtg	gtcccccttct	atctgaatct	catactcaga	60
cacgtcccca	ctgctcccc	gatctgagtg	ccccctcttc	tgcaagcggc	tccgaagggc	120
tttggtgggg	gttgctctcca	tccgaagatc	actgctgact	ggaggctgcc	gtacctgagg	180
gcagtacgga	ggggagattt	caacaggatt	ggtgaagaag	ctgccatctt	tcacccathc	240
tggttgaaatc	tcccccttcta	tctgaatctc	atactcagac	acgctccccc	tgctccccccg	300

atctgagtgc	ccctcttccct	gcaagcggct	ccgaagggct	ttgttggggg	ttgtctccat	360
ccgaggatca	ctgctgtccg	aacctcccc	gt			392

<210> 285  
 <211> 382  
 <212> DNA  
 <213> Murine

<400> 285						
ggaattcgtg	tgccttgagc	tttactaaag	tttcttttagt	gaatgtggct	gctcttgat	60
ttggagcata	gatattcaga	attgagagtt	cctcttgag	gattttacct	ttgatgagaa	120
tgaagtgtcc	ctccttgtct	tttttgatga	ctttgggttg	gaagtcaatc	ttatcagata	180
ttaggatggc	tactcctgct	tgtttcttca	taccatttkc	ttggaaaatt	gttttccagc	240
ctttcattct	gaggtagtgt	ctatcttttt	cactgagatg	agttyctgta	agcagcaaaa	300
tgttgggtct	tgtttgtgta	gccagtttgt	tagtctatgt	ctttttattg	gcgagttgag	360
accattgatg	ttaagagata	ta				382

<210> 286  
 <211> 258  
 <212> DNA  
 <213> Murine

<400> 286						
ggaattcccc	tccttgactt	cttctttccc	agctgggttc	gaggtctcag	cagacttggc	60
attgcccaca	ggcttctggg	gctcagcagg	ttgtkcggtg	gttacagggt	tcagggaccc	120
tgaaggctgt	kcgttggcta	tgggtttcag	ggctctckgca	ggcttgggtg	tgcccacagg	180
cttcagggtc	tcggtaggct	tbgcattacc	tatagggttc	bgggtctcag	cagggttkgc	240
attgcctacg	gtttcagg					258

<210> 287  
 <211> 643  
 <212> DNA  
 <213> Murine

<400> 287						
ggaattcatt	gagatcggtc	aggaaactat	gcatttccaa	gccattatat	agtctgggca	60
agataagttc	ttatttcatt	tgtctaatac	tcatgttcaa	gggaggccct	ggttcagtc	120
gggcgcaggg	ctcgcagatt	acaccttaca	gcctctcatg	ttcagataac	tggcaacaaa	180
gcaataaaaa	gccgtccaac	ttgtcagtc	gtagcagcaa	agcccttcat	gtgggcagga	240
caaagggtg	gctctcatta	gatgattagc	tcattcaggt	cacatctagg	tcacttccac	300
ctttgtctgg	attccaaggt	tagccctcat	ctaggtgagg	ggatggggcc	cctgtgaagt	360
cctcagagct	caccctggag	agttaagatg	ggcacaatga	gaaacaggag	agcagggtat	420
gttccctacc	agagccagt	ttggcacact	ggctcaatct	caagagggtc	cccaaagtag	480
tcagatttat	agctgacatc	aaggacagcg	tcagagactc	tagtctgtga	aatcatcact	540
ctcaattgag	ggagaccaga	acctagggtg	ccaccagggt	aatgtcaatt	ccgatagaca	600
caggrtcggt	agccagtgtg	tgtagttagg	cttcggactg	ttg		643

<210> 288  
 <211> 424  
 <212> DNA  
 <213> Murine

<400> 288						
ggaattctcg	agcggccgct	ttgtttgttt	ttccttgata	ttaagtagtg	acagttttct	60
ggatgcaaaa	ccacagacgc	atcgccctca	gtgcaacagt	cctgcgggat	gatcggcctt	120

ctccaggggg	atgttggtt	ccaggcacat	tttcacaaag	tcctggataa	cactggcttt	180
ctctgtttgc	gcaggactgt	tgcactgaag	cgatgcgtct	gtgggtttgc	atccagaaaa	240
ctgtcactac	ttaatatcaa	gggaaaacca	accaaccaac	caaaaacccg	actggaaatt	300
aagctgaaga	accttattca	gagacaaaat	ggaacgattt	gttgtaacag	caccacctgc	360
tcgaaatcgt	tctaagactg	ctttgtacgt	aamccctctg	gatcgagtca	ctgaatttgg	420
aggt						424

<210> 289  
 <211> 309  
 <212> DNA  
 <213> Murine

<400> 289						
ggaattccag	tgggattcct	cagctccatg	atgcaatggt	tatctttttg	gtaaagaata	60
ttcaagtcct	gacatcatag	tagtaatgga	tattactcat	ggtatgctct	caagcccagc	120
atggcacatt	ctgtaccctc	tttatcactg	aagtaagcaa	tgggttttaa	aataacgttg	180
cttacacacc	cagagtacca	atgattcatt	aacaactgaa	caaatactgc	tctggactcc	240
aaaattatta	cagaatttta	tatacaggat	tttgaggcat	agggatattt	ccacccttag	300
tagaagtat						309

<210> 290  
 <211> 325  
 <212> DNA  
 <213> Murine

<400> 290						
ggaattcggg	ttttaaggga	attaagtcta	tggtgatagt	acagggggaa	gaggatataa	60
aagtgaattt	atagttttcc	cagaccacaa	ggcattgttg	tgccttggtg	gccacctagg	120
tcaagaccag	gatctctctc	ctggggagcc	aacaggagcc	ttccaaaatt	atcagggaaa	180
gaggttttct	gtcctcaatc	cagcttgggg	gagattttgt	tactgacaca	tgatccttcc	240
cccaccaggt	aatgaagtgt	tctgtgtgct	aacaatatag	gcttaaaaaa	aaaaaaaaatc	300
bsgccgcbaa	tttccaccac	actgg				325

<210> 291  
 <211> 390  
 <212> DNA  
 <213> Murine

<400> 291						
ggaattcatt	gaaccccatg	caattatagt	gggtacttca	atacccctct	ctcaccaatg	60
gataggatcat	tataacagaa	actaaagaga	aaagcagtga	aactaataga	tgttataaac	120
cgaacaaatc	tgatatcaat	ggaatttttc	atcgcaaaac	aaaagaatat	gccttcttct	180
cggcacctct	cagaaccttc	tccaaaactg	atcatataag	tcagcaggaa	gtaccaacag	240
gaacaccagg	agttctcagc	tgtgcatatc	tcaggggaagt	aaagatcagt	gaagattcga	300
aaccattgca	cagctagctg	taccagcaag	actgcacagc	tagctatacc	agcmagacta	360
gctctgtccc	caccactcca	tggaatctta				390

<210> 292  
 <211> 335  
 <212> DNA  
 <213> Murine

<400> 292						
ggaattcaaa	gaggcaaaca	tagaatcaaa	ctaagcagtg	ggttctttgc	aaacagttgc	60
cttcatatta	cctcagcagt	taaacgtttg	tgtggagtac	taaggtggtg	gtggagtggtg	120

ctttgttttag	ttcttttact	ggagtgggca	ccccactttg	tctctctcct	aaagccctac	180
tcactttgta	tcactgtagc	cagaccacaa	aggctgtatg	ttgcaatgta	tcaagtgaca	240
gttttagtta	aacataaata	ggcccattga	accctgccaa	acctggtcac	atagatcaag	300
gtcaaggtaa	aataccaggt	ttctgtagta	ggggg			335

<210> 293  
 <211> 369  
 <212> DNA  
 <213> Murine

<400> 293						
ggaattcccc	ggctagagcg	gccgctcgag	ccgggtcgag	cgcccgcttt	tttttttttt	60
tttttcacgg	gaacagactt	tattagttca	cttgggtcct	ctctggtacg	gcatttgaag	120
ggttctctgg	cacccccctca	tttttttctt	ttttggcagc	agctgcagca	gcttttaagg	180
cccttttttg	cttcttcagc	ttttgcacct	cctggtaaac	ccgaatgcac	agagccttct	240
tggccaggaa	gcvgcggtga	accttttggt	aaatgtcaga	ggggggtaag	gtatattcca	300
cccctagctc	cttgcatgtc	ttttcgaaga	catcatagtt	ggtctgacgg	aggattttga	360
gcaactttt						369

<210> 294  
 <211> 394  
 <212> DNA  
 <213> Murine

<400> 294						
ggaattcatt	ttataattat	gaatcatgaa	tatctgtatt	tgccgatggg	ctcaggtgac	60
ccttgtgaaa	gggtcgctctc	acccccaaag	ttctgtccac	aggttgaaaa	ccactgtggt	120
ggaggggtgct	gactgtaggg	caacaacctg	aggacaaaaa	aaagccttga	acatgtgttg	180
ttgctctggg	agctgtgtgc	tagctcatat	cttcgccagt	cctcccacta	agcttggtcg	240
gttcggggta	ccccctatct	atgggacyca	gggtaggggt	gaggcagtga	tggkgccagt	300
ctgtctgaact	gccccagcag	tgaccgctcc	cttgatctgt	gctgactgtt	aagagtgaak	360
kkcttcagaa	agtagtactg	ccacagccac	caga			394

<210> 295  
 <211> 536  
 <212> DNA  
 <213> Murine

<400> 295						
ggaattccgg	ctcgagcggc	cgcttttttt	tttttttttt	ttagttgcaa	gcagatcaca	60
aatcctctta	gatgtaagga	aagtgggtgt	tctggagagg	actcagatcc	tgaaaatgag	120
gaagtgagaa	tggttttttag	ccattttttg	aaagtacagt	ctgtaatagt	ttaccttctg	180
gcccagagaa	ttcacattct	tctgcctgaa	caatgcagtt	aatttttttc	ttctacaaac	240
ccctatggta	tcagctggat	gtcagggttt	taccatttaa	acctgatcca	gtcacagaaa	300
tggttggtta	ttgcagatga	tactcctcat	atgaaagaaa	acctatgaaa	caaaacaagt	360
tagcagctgc	ccatatattc	tacatatatt	gagagaagta	taagacagtg	tattaaacat	420
gagaaaaatg	gaaggcacac	agcagacact	gttctataca	gtttcaattg	aagtccaggg	480
tatatgttga	cagctgggtc	aactcctact	ctctgcagta	tyctccaaca	awcccc	536

<210> 296  
 <211> 244  
 <212> DNA  
 <213> Murine

<400> 296



ggaattccaa	gaatgtacgc	cagaggaacg	ccacctgagt	ggtggggcag	gcgggggagg	60
ggaggtgccc	aggggtgctg	accccaggcc	agctctacct	ccactccagt	atcccatcct	120
gtcccgattt	gaacctaccc	aacccaacct	atcccaaccc	aagtgaagac	agagccttac	180
cttacagaaa	accacacctg	aagaagcaar	ccacttcagc	ccctgtttct	aatttaaact	240
aaat						244

<210> 297  
 <211> 331  
 <212> DNA  
 <213> Murine

<400> 297						
ggaattcgtg	aaggtatgtg	acaacgttta	cctgactaaa	gcagctatca	gcttacaagt	60
tccctgcttc	cccagtcaat	ttggtgactt	tcattcttag	tgcttcgacc	cttttcctac	120
agcaagcaca	caacactgca	gttctttacc	ctgcaatcct	atgtatttgc	ttcaattttt	180
gttctccaca	tcctcaacta	tgcatattg	ggacagcaaa	aaaaaaaaag	aaaaagattc	240
tttcttctaa	gggagaagta	agtcacttag	ccttcactat	agaccacctg	ggcacagtgc	300
acaagaaacg	ccgagctcat	cctttttctg	t			331

<210> 298  
 <211> 308  
 <212> DNA  
 <213> Murine

<400> 298						
ggaattcgtg	aagagtactg	ccttgtcctt	tggcgtgtgc	atcggtcctg	ctctcacccg	60
cagcctgcgc	tctactgcct	gtccagtcct	actcctgacc	gacagcatca	tggctacgag	120
aggcactgtg	actgacttcc	ctggatttga	tggcagggct	gatgcagaag	tccttcgga	180
ggccatgaaa	ggcttgggta	ccgatgagga	cagcatcctg	aacctgttga	catcccgaag	240
caatgctcag	cbccaggaac	ttgctcagga	gtttaagaac	tctgttttgg	cagggacctt	300
gtggatga						308

<210> 299  
 <211> 491  
 <212> DNA  
 <213> Murine

<400> 299						
gaattcccg	ctcgagcggc	cgcttttttt	ttttttttta	caaacccttg	tgctcgagggc	60
tgactttcag	tagatcgag	cgagggagct	gctctgctac	gtacgaaacc	ccgacccaga	120
agcaggtcgt	ctacgaatgg	gttagcgcca	ggttccacac	gaacgtgcgt	tcaacgtgac	180
aggcgagagg	gcbgcctctt	cataattttt	aatctgttcc	acttgtcttt	cccatctgtc	240
taccatgtac	ttgtacatgt	agtcattggt	taggtgtggc	ttgtgacagg	tgggcctctg	300
ggtttcccat	gctcaaggca	agggaaactg	tcttacttaa	cagtgtgtgt	ctaaaaaaat	360
ctggcttttt	tgagagtgca	gtattttaaaa	aacaaaactg	tactatcaat	ttctataaa	420
ttgttcgaga	atttatatgg	gtcccaaactg	tcctttctga	ctgaagtctg	cagtaaadcg	480
aattccacca	c					491

<210> 300  
 <211> 465  
 <212> DNA  
 <213> Murine

<400> 300						
gaattccggc	tcgagcggcc	gctttttttt	tttttttttt	gattagctct	ggataatttt	60

ttatggggag	gggaaaaaagg	catttgatat	cctgcctttc	ctacagcact	cagattaaaa	120
cacaggctta	aattaattct	gattgcttcc	ttttccttgt	tccttcctgc	agaggctgat	180
gggacagtgt	ccagggtctg	agagccacgt	gttctgtaga	tgataaataa	ctatgaacat	240
ttggtgctga	atTTTTTTaca	cttgtctctt	gtgggtgctat	tgtccggaga	cccttaggtg	300
gscctagggt	gcctgccatg	cctcattccc	tcgaattcca	ccacactggc	ggccgctcga	360
gcatgcatct	agagggccca	attcgcccta	tagtgagtcg	tattacaatt	cactggccgt	420
cgTTTTTaaa	cgtcgtgact	gggaacaccc	tggcgttacc	caact		465

<210> 301  
 <211> 413  
 <212> DNA  
 <213> Murine

<400> 301

gaattccccg	ctcgagcgac	cgctTTTTTT	TTTTTTTTTT	TTTTTTatga	aatgagttca	60
tattcaagtg	tgactatgta	gtcaagtaca	tagttgaaca	tgagtagcct	catatcataa	120
aagtagtctt	ctatcattca	tatacagtat	atatcatttc	tatacactcc	tttgctctat	180
actgtgcctt	ggagatctta	agtcagtgtta	tcactctaaa	gtgtgtcagg	gtagtacct	240
acctcaggca	ttcagggttat	ttctagtttt	cagcacttwc	aaataccttt	agtkagtatc	300
tttgtgtgta	ctTTTTTcata	tgctgtgttaa	cagtttctta	agcaggactg	caaaaaatgta	360
aattkctgct	tttcagctta	gkcatctaa	cagatacact	ttccttcaaa	agc	413

<210> 302  
 <211> 436  
 <212> DNA  
 <213> Murine

<400> 302

gaattcctca	gacctggagc	aggcgcgggc	tcagacttct	ggagaagaag	agctgcagct	60
gcagctggcc	ttggccatga	gtcgcgaaga	ggctgaaagg	ccagtcccc	cagcctccca	120
cagggatgag	gacctgcagc	tgcaagctggc	tctgagcctg	agccggcaag	agcatgagaa	180
gggggtgaga	tcctggaagg	gagatgactc	tcagtgggc	aacggcgag	aacctgctgg	240
ccaacgtcgt	caacgggaca	gggagcctga	gagagaagag	agaaaggagg	aggagaagct	300
gaaaactagt	cagtcctcca	tcctggactt	gctgacatct	tcgcacctdc	cccgccctg	360
ccttccacca	ctgctctgct	gacctatggg	acatcccagg	tctcaggccg	aacacagagc	420
caagttvgct	cctctt					436

<210> 303  
 <211> 484  
 <212> DNA  
 <213> Murine

<400> 303

gaattctttt	TTTTTTTTTT	TTTTTTTTTT	aggtgctgag	tcacactgtt	aactgcttta	60
ttgagattca	gggagatcct	tcccccaaga	gacaccacag	tgtgaaagg	acgctgcctc	120
ccgcccggtc	agtccatctg	tccatgcctt	catttgatca	aatgtgcacc	cactatccac	180
tggaacagc	ctccaacctg	tccccatttc	ttttccctt	agttctgaaa	aataataata	240
ataatgacaa	caaagaaaag	aaaaccaaga	tgcaagtgtt	ctgagagatg	attgtacaga	300
cccaaagtgg	gacgcatgag	aataagaggga	acacttgaga	gtaaaacctaa	ggccaaggag	360
agggtatgca	tggtcagaa	aacacgtact	ggggaagagc	ctgcttaatc	atgtgcatgt	420
tggtgtcaca	tgectctgct	gaaagaagac	aggacatcag	ctaggcagac	aactgtatcc	480
cata						484

<210> 304  
 <211> 577

<212> DNA  
<213> Murine

<400> 304

gaattccaca	ccttgtaagg	atggtataac	ctctgcctta	aacaagttca	agaaaaggag	60
gggcaaaaag	agcgcttgta	tgcagcttta	attatctggt	ccccctcacc	ccctgccttt	120
tgctgtgctc	ttagccccag	gccaaaggct	aagactggaa	ctaaatttgc	ataactcacc	180
tcccacatag	gtgtccttgt	ccactcctct	tagccttcgt	gtatccggag	cagattttat	240
agctgtgcag	tcttactcca	ttgctaccta	agggaaaatc	tgtaggtta	aaaaattatt	300
tctgtcccat	ggctggattt	tcaaaaccaa	ctgtggaaat	aggctaata	gactggtaaa	360
gccaaccaga	acaccacac	gctattccca	aatcaaatgc	gttgtaaatt	gggcgaatct	420
tgtatttgta	gctgtctggt	aatgtgaggt	cagattttwa	gcattctatc	atcatgaaat	480
tgcactgtca	ctttccatag	cagccgagag	aatgatagt	aggttaagga	gccataaccg	540
tagaaaatga	aggtgctcma	gggcatgaat	gttctga			577

<210> 305  
<211> 492  
<212> DNA  
<213> Murine

<400> 305

gaattcgcag	atggggccaag	agcttcaagg	agaaatagtt	gtaataattg	cagatcagta	60
tggaaatcag	atttcatcat	tttcacctga	ttccttatct	actttgtcga	ttactggaga	120
tggccttgac	agctcaaact	tgaaaatcac	cttggaggcc	aactcacaga	gcgtaagtgt	180
gcaaggcatc	aggtttactc	cagggcctcc	tggacccaag	gatctgtgtt	ttacttggcg	240
agagttttct	gactttctgc	gcgtgcaact	ggttttctgga	cctccaacca	agctgctgct	300
tatggactgg	ccagagctga	aagagtccat	tcctgtgatt	aatggaagac	aattagagaa	360
ccctctcatt	gttcaacttt	gtgatcagtg	ggataatcct	gcttttagtcc	caaacggtta	420
aatatgtctc	ataaaagcaa	gcagcttaag	gotactacht	tcaaaccagc	agcataaaac	480
sgattccacc	ac					492

<210> 306  
<211> 611  
<212> DNA  
<213> Murine

<400> 306

gaattcgaac	tctacaggac	aaccatttcc	ctgagagggt	aggccagatg	gctctgggtg	60
actgagaatg	tcattccttg	aatggggggac	agaacggaga	gggggtggga	tttgtggaca	120
cattcacata	taagcatatg	caccccagca	acaaggctcc	taatagcctc	tccaggaagg	180
agacaccgac	ccctagattc	ctggagtgtg	taaacagccc	acccttagag	ccctcatcca	240
gtccattttct	ccagctcgca	agacccggct	tccaacgtga	agtcaccagg	gcgtagaaag	300
tccctcctga	tattcacatg	acagattcct	tttcgaacgt	ggcactggag	tccccggtgg	360
gtccctggtg	ctgtttcagg	aggggattcc	cctcctctgt	ggcgaggggc	agtggattca	420
gagacacctc	gttcttcacc	tggatcaatt	cgggctctga	gctcggcatc	ttggttcgat	480
ccacgtaact	ctgaagcagt	ccagccccaa	aagcatcacc	ttccacgttg	aggacagtac	540
aggacctgtc	cactagccag	tccacgccaa	gatcaaggag	atgtccttca	cagggcaggc	600
tgacttsttt	c					611

<210> 307  
<211> 484  
<212> DNA  
<213> Murine

<400> 307

gaattcctcc	agtcgggtag	ccggaaaaac	gggtgcttct	tgacatcctc	tgcacccctc	60
tcaccagctc	ccaggcgccg	ctcaggattt	ctccttagca	gccttctcat	tatggaaatg	120
gcttctgtag	ataagaacct	tggataacct	acttcgtcat	ttacaatact	gtcaaaaacc	180
tcttcttcat	catcaccagg	aaagggagac	tgcgcgacga	gcattctcata	tatgagtaca	240
ccaaggcccc	accaatctac	agcccttggtg	tacgatgttt	ctgttaggac	ttctgggggc	300
aagaaactca	gggagtagca	caaaatgtgc	ttgtcctatc	tccatacccc	attccttctt	360
tgcaaagacc	aaagggtcagg	caattttcac	aaagccttct	gtatctagca	acaagtttat	420
ccaacttcaa	atctctataa	acaattttgt	gttcatgtaa	gtattgcaac	ccaagaacta	480
caca						484

<210> 308  
 <211> 460  
 <212> DNA  
 <213> Murine

<400> 308						
gaattcaacc	cggctcgagc	gcgcgttttt	tttttttttt	ctaaggacct	tagaaaaata	60
aaaaaaaaat	tctgagtgcc	atcttttatca	tctcttcatg	tgtgtgtatg	agtgtgtgtg	120
agtgtgtgta	tgtgtgtgta	gtgtgtgtat	tgcattgtgtg	tgtgtgtgtg	gtatgtgtgt	180
tgtattgtat	atataccaga	ccatgaggta	ataggagaat	acactattct	cgccaagatt	240
tttatcttgt	ctaatacaagt	catgtttctg	gctagaacac	ctttcttgta	atcattttta	300
atgtagtcat	ttaaataaat	aatccaaaca	gaagtcctat	tagatccatg	tttctgttaa	360
atgattgcta	agccctaacc	tttcatttcc	cttcaggaaa	scatcaaaaag	catgggttatc	420
attcactcta	gaagcccggga	ttatcgtttt	aaagtcatca			460

<210> 309  
 <211> 213  
 <212> DNA  
 <213> Murine

<400> 309						
gaattcctgg	taaggggcaag	tcatacatgg	aactcgggttc	ttcacggcat	gcttagaaac	60
actgcgttgg	ggagcttggt	tctgtgttka	aggaattcta	acgcactaac	acataatgac	120
tctagccyta	kgatgcacag	gcaaaaagga	ggcctaagga	ctcacttaca	cactgcaata	180
aaagcttkct	ccacttggtc	tccaggaatc	gcc			213

<210> 310  
 <211> 207  
 <212> DNA  
 <213> Murine

<400> 310						
gcgcgggattc	tttatcactg	ataagttggt	ggacatatta	tgtttatcag	tgataaagtg	60
tcaagcatga	caaagttgca	gccgaatata	gtgatccgtg	cygccctgga	cctgttgaac	120
gaggtcggcg	tagacgggtc	gacgachcgc	aaactggcgg	aacgggtggg	ggttcagchg	180
ccggcgcttt	actggcactt	cwgggtac				207

<210> 311  
 <211> 285  
 <212> DNA  
 <213> Murine

<400> 311						
gaattcgtca	agttgggtctt	gaactcctga	gttcaaaaca	ccctgctgtg	gaatccacgg	60
tagctagacc	tacagatggc	atcaccaagg	tcagcttgaa	cacacagtta	aaaatcatta	120

accccaaaact	gaccataatg	tatcaaagat	gggtaggaat	ttaatagcct	gtctttatgt	180
ttaaaaggctc	aaccaagtaa	caataatcaa	gatatctgaa	gaagtctgcc	aagagagctg	240
gtgcttctctg	taagctcaca	ggaagacgag	gagcttcaac	ccaaa		285

<210> 312  
 <211> 457  
 <212> DNA  
 <213> Murine

<400> 312						
gaattcgtta	ttttcttaaaa	taaaaagaac	atctaaggac	tgagtcctat	atgcacttta	60
gagcattttct	acagcatgcg	attctaagag	taaccccacc	caatatggca	aacaatcaaa	120
ttgttttaaaa	tttaacttag	aaagtctgag	atcattatth	tcaaaacatt	gatttgtaca	180
ttgttttcata	cacaaataac	caactgacta	tccaagcaca	ggacagggca	cctctctgga	240
gaaaaaaaat	ctctgacagc	aggggcagga	cggctagtgt	cacatgacta	caaacgtccc	300
tccaacttca	caggaaaccc	aaggaaagaa	cagaaagtgg	acagtgaggg	gacaggaggg	360
acaggagggga	gggaaavcag	ctygggagta	agtcmsctgc	ctgagcaagg	gaaggaagga	420
ctctgaccaa	gcattcgtgg	scmatcctaa	catgtgc			457

<210> 313  
 <211> 418  
 <212> DNA  
 <213> Murine

<400> 313						
gaattcgtcc	tctcttgagg	gtctgctcct	ttttgaagag	gaaacgggtg	agaggggtgtt	60
caataatgga	gaaaagagga	taggtgaagt	ggggggcatg	gggcatagct	aggaagactg	120
tagggaggaa	aaacaatgct	caggatatat	tgatgagag	agaaccgagg	cagtgggtgga	180
ggtcagggtta	gtacaaatta	cggaaagagc	cagcgacgtg	gtggtcatca	gaataactac	240
aagccatact	gagaggcagc	aggagcgccc	gagtgcacac	cgcacacgct	ttgtttggac	300
gcgggaattc	caccacactg	gcggccgctc	gagcatgcat	ctagagggcc	caattcgccc	360
tatagtgagt	cgtattacaa	ttcactgvcc	gwcgttttac	aacgtcgtga	ctgggaaa	418

<210> 314  
 <211> 450  
 <212> DNA  
 <213> Murine

<400> 314						
gaattcctta	ttttcagatg	acagttttcc	tcctttttgga	tcactgctac	tgcggtgttt	60
tttagtaggc	aaagtaagtg	aatttaagat	acgattcttt	acaagtttgc	tgagagccaaa	120
aaagggaaat	gaatttttat	cttttatggg	tccaggtcgg	tcataaaatg	ctggctcagc	180
atcttcattg	atgtcaagga	aaaatgtgct	ggtaggaggtg	ctgccgaagc	ggtcgtcctc	240
cagcatgaac	atgcttgatg	gtgcagactc	actctcactg	ttatgtctag	agctggctga	300
ctcagagttc	aagctgaggg	tgcttgggac	agatgagagc	tcattgcaga	gctgctccac	360
atcatctgga	accactggcc	atagahchth	cactgtsctt	acagaatccc	agctgtgaca	420
tttcaaaaata	tcacagcctt	accttggttt				450

<210> 315  
 <211> 555  
 <212> DNA  
 <213> Murine

<400> 315						
gaattccact	actctgccaa	ttaaaaaaga	tttgtttttg	caaaagttat	gtttggagaa	60

aaataaaaaa	gcttatggtc	cttgatttaa	gcaaaataag	gtaggctcag	aaagatgggt	120
gctgttttct	cagatatatg	aaatccacac	ttaatagtat	aagattttta	gacgcagaag	180
gtactattca	tttagaaaag	ggaaagtaac	ctgtgggggc	cagtacagag	gacgaaatga	240
ggatgaacaa	gcttgaattc	cgaaataaag	ctgtgtgtga	atgtcacaaa	ggttctatca	300
tactgaccaa	tgagtgtatg	ctaatacaag	taagattcgt	taaaatgggt	tgagaaatca	360
ttgttgaaat	gttaataaat	ctcatctgaa	gctccgtcta	gattttttatt	ttttatagaa	420
cttttataaa	ctcttccacc	tcaagtycca	aattggaaag	atttactcct	cctttcataa	480
gttycccaag	atgagataag	agcyatrcaa	wggtttggtt	gggaaattga	ggcatggaca	540
tcactacatg	ggctt					555

<210> 316  
 <211> 172  
 <212> DNA  
 <213> Murine

<400> 316						
gaattcgcg	agaggaactc	tggtatcgat	ggtacaagaa	gagaccccat	gatcatcara	60
gacagacara	ggccagctgg	ttccagactg	gcttacaggk	aaaatccagc	tgctgcttgg	120
gcccctgatg	gtcgacccag	tagagggatg	gattcagggt	awcagccttc	cc	172

<210> 317  
 <211> 355  
 <212> DNA  
 <213> Murine

<400> 317						
gaattcttga	aattttaaga	aaaaatttat	tgaagatctg	aaaaacaact	cctacaagat	60
tgacttttcc	ataaaactgc	agctacacga	tgcatctgct	ctatcatgtt	aaaacgtgca	120
ttagacacaa	atacaaaacc	catgaaaaca	agccaccatt	ctttaacagt	tgagcaaaga	180
taagatgcct	aaggaatgac	atggatgact	tgcaaaggat	gggctcttta	agcaccatta	240
waaaaaaaaa	waagagcaca	gatggatgag	tgttcagtta	tataactga	agtgaacctt	300
tggcactagg	aatcagagca	wttgtcataa	gaagcattwa	acacatatta	taaaa	355

<210> 318  
 <211> 425  
 <212> DNA  
 <213> Murine

<400> 318						
gaattcaaaa	acctttaaat	agtaaaagac	agtgtagggt	ttgtgcccct	tgtccatgtg	60
ttgtctctat	tgacacccct	cctatcagaa	ggtatttttg	atgcgggcvg	ccaccaggac	120
taggatttcc	ccaatcttcc	tctgccagtt	ggtgatatcc	ttggacacag	cacaccacag	180
ctctccatgt	cggggctctg	cattctcaca	gcgtttctct	acctctctct	gttgcctctc	240
agttccatgc	tgagttcaaa	atttgtagaa	gaaggcccag	gcaccccccc	agatctgagt	300
caatcttcac	agtgcgatgg	aaccactccc	gavccytggg	gatctttctt	tcactccaga	360
acaacttagc	cacagctaaa	agcacatgvg	gtcatgttca	cacttcttca	gggcatccac	420
actct						425

<210> 319  
 <211> 251  
 <212> DNA  
 <213> Murine

<400> 319						
gaattcatgg	cgcacccgc	accctggcg	cccggcgccg	cggccgcgta	cagcagcgcc	60

ccgggggagg	cgcccccgtc	cgccgcccgc	gccgcccgcg	ccgcccgtgc	tgccgcccgc	120
gccgcccgtg	cccgcgtcgt	cgtcgggagg	gcccgggccg	gcggggcccs	cvgktgccga	180
ggccgccaag	caagtgcagt	ccctgctcgg	cggcggcaca	gagctcgtcg	ggggcccccg	240
gcgctgccct	a					251

<210> 320  
 <211> 320  
 <212> DNA  
 <213> Murine

<400> 320						
gaattcgttt	ctgaaaaata	gctacagtgt	acttacatat	aatacataaa	tctttaagaa	60
aaaaaaaaaa	aaaggggaga	ttttaaagta	aaggcctgaa	tgtctgttca	actaactaaa	120
tttatagaaa	gcttcacagt	acaaagcaag	caactgactt	aagacttgca	cctaaggctg	180
gagagattgc	tcagaggtta	agaacactga	ctgctcttct	gcaggtecca	agttcaattc	240
ccagacaacc	acataggtgg	ctcacaacca	tctgtaaaca	agacctgatg	ccctcttctg	300
gtgaactgaa	gaaggctaca					320

<210> 321  
 <211> 374  
 <212> DNA  
 <213> Murine

<400> 321						
gaattccggg	gcacctctg	ctgaacagta	ggggacgggc	caggtggcag	agtggccaga	60
ttgggggggtg	aggccgtgga	ggaaggggtc	ccagctccag	ccccggggcc	aggactcacc	120
aggctttacc	acactctgac	actgctcaca	cctgggagtt	gcttctgaga	agatcttctc	180
tttcatccag	cccctcgtgt	attcttttct	gcaggaggtg	ttgacacagt	gtgatgtgta	240
gaaggtgccg	tgggcctcca	ccaggctcctg	gggctccagc	cccgccactc	gttccagcgt	300
gtctatgttc	tgcgtgtagc	agcgcagcag	ctagcccctt	htccttcagc	aggccggatg	360
aagtaattgg	caga					374

<210> 322  
 <211> 208  
 <212> DNA  
 <213> Murine

<400> 322						
gaattcactt	acactgtcta	ttccctgaac	gaccagccgg	ggctccacct	gggcttcgag	60
gctgccatta	tgcctgccac	aagtgcagc	cttccctggc	tacccaaggg	caccaccga	120
gcacctcag	gttcagctgt	gctcacacar	gggtgaatga	gcacccaggg	gsayccactt	180
ttgggttcta	ccactbcgat	tcccacca				208

<210> 323  
 <211> 396  
 <212> DNA  
 <213> Murine

<400> 323						
gaattcggca	gacaaacagt	gaccagaacc	agtgccttaa	ggaaaacaac	ctctacaaac	60
cactgaagcc	acttgaaact	ctcggacgaa	tgtgctgggt	ttcccacaac	agcgacactt	120
cccagagagc	tactgacaag	gagccctcag	gacactgatg	tgcattcctt	gacttgctca	180
ctcaggcccc	tgagtcagag	cctgccataa	tatccatccc	taggcctgct	aacacacttc	240
caggataaca	gggaggaaat	gacattcaca	cgttaccttt	tgtgatctgc	hgccaccavc	300
tgttggtttg	gaggactcta	camcahhttt	ctttvcccg	agattgggga	agatcccact	360

aacttctgtg tagcaaagcg ggggctggtc ctggtt

396

<210> 324

<211> 585

<212> DNA

<213> Murine

<400> 324

gaattcctga	acagaggttc	tcagaacata	taaaagatga	aaagaacacg	gaatttcaac	60
agaggttcat	tctcaagaga	gatgatgcc	gtatggaccg	agatgataac	cagggtgaaga	120
atggaagagg	gtgggcctat	aaagagagaa	actgggaagg	gagaaggatt	tgggggaatg	180
gaaaaaattg	aaaatatctt	aaaatggaaa	actacacagc	gctgttctcc	tgagttgttg	240
gggcttccca	ctgaggactg	gctacagttg	ccgtgctcaa	ggccccagag	agacaggggtg	300
ctgaggtctc	atttggccca	cagctcttta	ggtttgccct	taacttgtaa	ctacgtttca	360
ttttggacaa	acaaggtttc	tccctgtgtc	agccttgatg	tagctgactt	cagtgtcatc	420
tctttgctca	acccctccct	gtcttgcaga	atttacactg	ggagctacca	aaataaccaa	480
aagttacttt	atcccatttc	cactcttcta	gccaaagggt	ggccttaaah	gcaaagttat	540
ggtctaattt	aaccagttac	agaggtgtgt	ctttgatccc	ctttg		585

<210> 325

<211> 389

<212> DNA

<213> Murine

<400> 325

gcgcggtatc	tttatcactg	ataagttggt	ggacatatta	tgtttatcag	tgataaagtg	60
tcaagcatga	caaagttgca	gccgaatata	gtgatccgtg	ccgccctgga	cctgttgaac	120
gaggtcggcg	tagacggtct	gacgacacgc	aaactggcgg	aacggttggg	ggttcagcag	180
ccggcgcttt	actggcactt	caggaacaag	cgggcgctgc	tgcacgcact	ggccgaagcc	240
atgctggcgg	agaatcatat	gcattcgggt	ccgagagccg	acgacgactg	gcgctcattt	300
ctgatcggga	atgcccgag	cttcaggcag	setgctcgcc	tacmgccagc	acactggcgg	360
hhchcgagca	tgcacttaga	gggcccatt				389

<210> 326

<211> 375

<212> DNA

<213> Murine

<400> 326

gaattccttg	cactatgcgg	ctgctcgkkk	ccacgccaca	tggttgaatg	aattgctcca	60
gattgccctt	tctgaagaag	actgctgtct	caaagacaac	cagggataca	cgccactgca	120
ctgggcgtgt	tacaatggta	atgaaaactg	catagaggta	cttttggagc	aaaaatgttt	180
tcgaaaattt	attggtaatc	ccttcactcc	actgcactgt	gcaataataa	atgggtcacga	240
gagctgtgca	tcattgtctc	tggkgggccat	agatcccagc	attgtcagct	gcagggatga	300
caaaggcagg	acaaccctcc	actkggcagc	ctttggagat	catgcggagt	gcttgcagct	360
gcttctgaga	catga					375

<210> 327

<211> 532

<212> DNA

<213> Murine

<400> 327

gaattcggaa	aatgaaagag	ccttccctgtc	ttcaacatat	ttttgtttga	gcttgatgtc	60
tgccaaccaa	gtactcatag	tagtatcagt	atcactgtta	gtatccacat	cagtatctta	120



attccatgac	ttttcaactcc	acccaactat	ggctcctcga	ttttcttgtt	taagctttct	180
gaatttcttt	ccagtctgaa	atgctaata	tgccctcaga	ctccttccct	cttgccacat	240
ctccctcttt	tttgaactcg	tctccccctc	tgtgttcata	cccatcatac	tttgctaatt	300
gctacttctg	tgtcttaatc	ataacattct	tcttcagtct	ttaaacaaga	tctgtcccag	360
agtctaaatt	tagccatttt	cactctctgt	gtgtcccatt	tgggctttga	attaaagtct	420
tgagttcact	ggctttcatg	agggggaggg	tcacagaata	aagtttccag	tgtgttgctc	480
ttgaaaggag	atctcccata	ttcaaatacm	cttctcccta	aatattctgt	ta	532

<210> 328  
 <211> 314  
 <212> DNA  
 <213> Murine

<400> 328						
gaattcacgg	atttaacagg	aatagaatgg	cacaaggttt	aatcaccagg	gaaataaagc	60
aatcacaaact	gcggctcggg	cgctgcggcc	ctgctcacac	cgacagaact	gcggctacac	120
agagattgga	aaaccgctac	acgcgcctgc	ccctacctgc	gcccacggcc	atgcgcccc	180
acctgaacta	aggcagaggc	aagcatcccg	gagacttcac	cccacaacct	tctgagtctt	240
agtcttcvtt	ctgtgtactg	tgacaatgta	tgaatcaact	cttctcaatt	cacttgagtc	300
caagtcgtaa	ctga					314

<210> 329  
 <211> 342  
 <212> DNA  
 <213> Murine

<400> 329						
gaattcgcg	actgacaggc	cactgtrcac	gtgtggaggt	cagaggtcaa	tgatagaarc	60
cctctccttc	accacatagg	tcttggaggt	taaactcagg	ttgttagact	tggaacaag	120
ccctttgtcc	tgctgarcca	tctcactgcm	cccccacct	ttwctgagag	aggctcttca	180
ctatcctaac	ctaggttacc	ctggaactta	tgatgcaccc	aggtgctagt	gttcacaact	240
gggaggaaaa	cctcaaatta	gggttatgtg	aactgtaaca	taaatttgta	attttaacta	300
cttdtttttc	ttactgggtt	ttgatataaa	dcctcacttt	gt		342

<210> 330  
 <211> 412  
 <212> DNA  
 <213> Murine

<400> 330						
gaattcgccc	cgactagtca	ctgttttagaa	agaaagaaga	aaggaaagac	ccagcaaacc	60
taagctagta	tgactatcca	tctaaaaaag	gctagggagt	tgtgtggtgt	ttgtgtgtat	120
gtttgtgtgt	gtgtgtatgt	gttttatgta	taagtcaagt	attcacaaat	cttttcacac	180
tagctgccat	aaaaagacac	agacattaca	caaaaccata	ttgcttttca	tatgcactct	240
ctgcagttcc	tagctcaggc	tcaaagacag	cccacaaaag	agtaaaagga	acatgttgga	300
aacagaagtt	ggggaagtcg	gagaacctct	gcagactkga	ggtcgaacat	ggagacacag	360
acctcacaga	aacacactgg	ccagctcctc	artkcacaag	tctkcoctag	ct	412

<210> 331  
 <211> 275  
 <212> DNA  
 <213> Murine

<400> 331						
gaattccaag	agtattagac	attttggaag	attattgcat	gtggagaaat	tatgagtact	60

gcaggttggg	tggacagaca	cccatgatg	agagacaagt	aagtatgaaa	gggtgggaag	120
ttaaaaagtg	aagtaagaac	tttatttttt	atattccatt	agktgtacca	atttaataata	180
atgtttgtat	tgtattgcat	cagagtattt	gatttttttt	aaaaatatgt	attttctttt	240
aaaatttaaat	ttggtgtgat	agtgttttgc	cyaag			275

<210> 332  
 <211> 397  
 <212> DNA  
 <213> Murine

<400> 332						
gaattccgcc	aagatggccg	aagtggagca	gaagaagaag	cgcaccttcc	gcaagttcac	60
ctaccgtggc	gtagacctcg	accaactgct	cgacatgtcc	tatgagcaac	tgatgcagct	120
gtacagcgcc	cgccagagga	ggcgccctgaa	ccgtggtctt	cggcggaagc	aacactcact	180
gctcaagcgc	ttgagaaaagg	ccaaaaagga	ggcaccaccc	atggagaagc	ctgaggtggt	240
gaagacgcac	ctgagggaca	tgatcatcct	gccggagatg	gtgggtagca	tgggtggcgt	300
gtacmacggc	aagaccttca	accaggtgga	gatcaaacca	gagatgates	gccactacct	360
gggcgagttc	tccatcacct	acaaacccgt	gaagcac			397

<210> 333  
 <211> 405  
 <212> DNA  
 <213> Murine

<400> 333						
gaattctgga	gaagtgggag	gtgtactgta	cggggagggg	ccaggggaag	aagagggggg	60
tggaaagtaa	gaagggagga	aaggcaggag	ggggagagag	agatgttact	gctttctttt	120
cagcacatat	aaaacaaagg	actaaagaaa	cgcatattta	aatccagtt	tctatatcca	180
cacctaatc	acttccaaac	ctacttgtaa	aaatccatct	tcagcaaagt	aatttggttg	240
gaaaatggcc	aggcatccat	acacagaaaag	gttctccatc	accataaatt	aactcatggt	300
atgctgaatt	aattgttgaa	aattactaga	aaatatgttc	acaaacctgg	caaattcaga	360
ctatgtcaca	cacaaatact	cctttctttc	tccctcctcc	tccct		405

<210> 334  
 <211> 300  
 <212> DNA  
 <213> Murine

<400> 334						
gaattcgga	tgttaccgca	ccgcatgtct	tccctgcagc	ctttcttgca	cactggcatg	60
ctggtctagg	agccgctatc	tatcctctcc	acaatgcctg	chgcctcct	cmcvcagttg	120
acaagccaag	ccgccactag	cttcatcacc	aachgcctct	cctccaccat	cctggaaccc	180
tttccagct	tcaccaccac	atccgtatmm	ctccttcttc	ctagcttccct	ccaccgaacc	240
gcactctttc	ctgggctatc	ttcaccatgc	actgctgctg	chgctcctca	gtccttcccta	300

<210> 335  
 <211> 357  
 <212> DNA  
 <213> Murine

<400> 335						
gaattcggtg	gcgaatcatc	atctcttccct	ctogtctacg	ccgttccctcc	tcttgccctca	60
actgcatttc	tttacgtttc	tgcattttct	gactgtgaag	ttcctccatg	cccttaattc	120
ttcctggcgt	ctcatcagat	cttkgcgcaa	aagatttgct	tgggtgttc	ggtaagcatc	180
ttccatttca	ctttccaatt	tgtcttttagc	atccttcatg	tttttttcaa	cttggtccct	240

ttgctgtttt	tccatttcat	ccaaggactt	ccatygttga	gaatattcac	tcaaagtgtc	300
catgctgagc	aaaacgaggt	ggtgtttctc	tctccttttg	atacattgga	ttcttct	357

<210> 336  
 <211> 427  
 <212> DNA  
 <213> Murine

<400> 336						
gaattcttcc	catgcacatg	caactctatg	gagacgctct	cccttgccacc	ttcgtaggct	60
ctgtgtgtcc	tcaggctgcg	tggtgagcgt	ctcgtacctt	cagagccatt	tcacagctcc	120
acaaactcag	tttaaaacag	cagcaccgct	tctactctat	gcttcgggtc	aagtgaggaa	180
gtgaggcagg	tacaattgcg	tcattcacac	ggctctagtc	aggtagctgg	agcagagagg	240
atggagaaca	ggctcatggg	catctctctg	tgctgagtat	cctgggctct	tttccacaag	300
gtctctccca	taacaaaatg	agccctggac	agctacaggt	gtcatacccc	agtgcgcac	360
tccaacaact	tcacagcttg	ctagaactcm	gaaatcaata	aatcagaatt	cagagcctca	420
ttcctct						427

<210> 337  
 <211> 424  
 <212> DNA  
 <213> Murine

<400> 337						
gaattctttc	tcagctgtaa	ctgatggctg	cgtctgaagc	ctttactcta	atggtgettta	60
tgtctgtgtg	ggttgcaccc	attctatagg	gctaggtgga	attgacgttt	gttcttacgg	120
tgttttgtct	acttcattgt	actgtgacat	gcttgaataa	gggagggagc	gaatggatta	180
cttacctgtc	aggatgcaa	gagcacctgt	gtggtctgtc	agcctggacc	tcagttagct	240
gcggtaagca	ggttggcaac	ctcaggctca	acccatctgt	gaggtcaatg	catcttgga	300
aacagaaagt	gacctggcag	catattcctt	attttagta	ctgttttgtg	tttagtttgt	360
tgttgtcctt	tgagacaggg	tctctttaag	tagccctgdc	ctsgccgtga	aatccacaga	420
gaac						424

<210> 338  
 <211> 389  
 <212> DNA  
 <213> Murine

<400> 338						
gaattccaca	attatctcat	caataattac	cctattttatc	ttattttcaac	taaaagtctc	60
atcacaaaaca	ttcccactgg	caccttcacc	aaaatcacta	acaaccataa	aagtaaaaaac	120
cccttgagaa	ttaaaatgaa	cgaaaatcta	tttcttcatt	cattacccca	acaataatag	180
gattcccaat	cgttgtagcc	atcattatat	ttccttcaat	cctattccca	tcctcaaawg	240
cctaatacaac	aaccgtctcc	attctttcca	acaactgacta	gttaaaactta	ttatcaaaca	300
aataatgcta	atccacacac	caaaaggacg	aacatgawch	ctaathattg	tttccctaata	360
catattttatt	ggatcaacaa	atctcctag				389

<210> 339  
 <211> 388  
 <212> DNA  
 <213> Murine

<400> 339						
gaattctttt	tggtctctta	ggagggtataa	agttctttcc	aaacactgct	tctcttcttt	60
ctaaatctgc	aggatttcca	cttaaacctt	cattgggaga	tgttttcaac	ttggtgcaaa	120

tgccatagac	atctccatag	ctctcctgta	ttttccgtaa	tgcacccgtg	gatctgagct	180
ccatgagagc	tcgcagctct	gtaagcgtaa	ttccaaagtc	tccatcatgg	ttagcttctt	240
tcaaagagtt	cttcacaccg	ctatacgcaa	ctgagttggt	ggccatgtcg	cccatcacia	300
ggataattta	ttaggaggaa	aatgtttccc	agaagaatga	aattttcacc	ttgaatgtag	360
atttccaagc	tgaaaaatctt	ttaaataat				388

<210> 340

<211> 230

<212> DNA

<213> Murine

<400> 340

gaattcccca	agcttgtgca	gaggccagga	ccaccttggt	ttcatgctct	tgactgctgg	60
gagcagtggg	agagctaaga	acagagtagg	ggcccsaggg	ctggatctag	cccagcccag	120
ggscaaaaag	gaaaagaggg	gagtdctccc	agctggtttt	ggcttggtga	aggcytgggc	180
tgggagttct	ygagaggcct	cctygctatc	ttagaccacy	ggktctttta		230

<210> 341

<211> 200

<212> DNA

<213> Murine

<400> 341

gaattcacat	atgcaaagag	actgaatgtg	gatcctttga	ctttctcttg	ctcccgatct	60
ctgtgcctcc	tagtagagca	cccgcccact	gggcagccca	ggaaagagct	ggagacatca	120
gcccagtggg	cttctaggaa	gttgaaaaag	caaaataaaa	catttttcaga	gagcgtttcc	180
caaawchgcg	agcatttctca					200

<210> 342

<211> 350

<212> DNA

<213> Murine

<400> 342

gaattccctt	acatcaaaaa	ttattttaagt	tgaccaagat	aaaaaactgt	ctctaaaagc	60
ttatatacat	tagaagtagc	aaaaataata	ataaaggaag	agattagaaa	acagccatca	120
aattcagaca	tctacaagaa	ttctccaaca	tctgctctct	tatctcggca	tttgcttcga	180
gcttttggtc	gagctttgaa	agctgcagag	ttatataaat	gcctttcaaa	acgagaaatc	240
ttcatgggtt	taagtgttgc	agcatcaagc	atcacagggg	ggccaagct	caaatacttt	300
tcgaggratt	mmwtttgtct	gcaagtggta	ctgcatccct	gatccmagaa		350

<210> 343

<211> 376

<212> DNA

<213> Murine

<400> 343

gaattcgcgg	ccgctttttt	tttttttttt	tttttttttt	tttttttttt	tttttactgt	60
taaaggattt	attgcagtaa	tacaacaaag	gtttagaaaa	catctgtgtg	atcaacctga	120
cctggaagtt	tcagtcgcag	caaggggggt	ctgacgttgc	agctttccca	atgcacacct	180
gaacccccacc	caatgctgac	ccccatacca	tggttaagtt	cattttcttg	ttctacgtaa	240
gaccatgaac	agcccgtgtg	gtgcctctga	gtgtctatta	gtattacctt	gttccaagaa	300
atcatttttta	aatggaaaac	atgatcaact	tctatggctt	tcgggtttaaa	aaaaaaaaaa	360
caaawcacca	gcttca					376

<210> 344  
 <211> 481  
 <212> DNA  
 <213> Murine

<400> 344

gaattcgctcg	tttttgctgt	caccagcaac	attgcctcgt	ctaacatctt	tgaccgacac	60
gttctttaca	ttgaagccca	cattgtcccc	aggaagagct	tcactcaaag	cttcatgggtg	120
catttcaaca	gacttgactt	cagttgttac	attgactgga	gcaaaggtaa	ccaccatgcc	180
aggcttgaga	acaccagtct	ccactcggcc	cacagggaca	gtgccaatgc	ctccaatttt	240
atagacatcc	tggaggggca	gtcgcagggg	cttgtcagtt	ggacgagttg	gtggtaggat	300
acaatccaaa	gcttccagca	gcgtgggtgcc	actggcactg	ccatctttgc	gggactttcc	360
atcccttgaa	ccaaggcata	ttagcacttg	gctccagcat	gttgtcacca	ttccaaccag	420
aaattggcac	aaatgctact	gtgtcagggg	tgtagccaat	tttcttaatg	taggtgctga	480
c						481

<210> 345  
 <211> 507  
 <212> DNA  
 <213> Murine

<400> 345

gaattctttt	aactgtatta	ctgaatacct	gaggtagttg	agtaaaaatg	cacgtttaat	60
accctgccaa	cagcggctgg	cacttccctt	aggttatcca	tgtagtggtt	agagaaacag	120
gagacaacag	ctcttctatt	ctaattggctt	aatgttgtgt	tcctctgaca	attctacttt	180
gatccaattt	caacaattgg	acttaggaac	aatctagttt	taaatttatt	tgataaattt	240
agtgaatgta	ccatttatdc	caatttctgg	cattatagag	ggatattaag	aaaaattagc	300
acgtttgtta	tactttgata	tcacaaggga	agtgcagagt	tctctttcct	tacccccact	360
tttgtttgtt	tgggggtttt	gtttttgttt	ttatttttagc	tgttttttgt	gcatgataca	420
agttwagatg	ccctggatgt	ttgattttgg	atgacatgct	atgtycttgt	cagtgggtgg	480
tcatttgcag	taaatygatt	gaggaca				507

<210> 346  
 <211> 429  
 <212> DNA  
 <213> Murine

<400> 346

gaattctgga	tattaatgag	agactacggg	tatcgagata	tcaagagtag	gaattaaatc	60
atactcccaa	taagagaaca	tattccca	acagaaatac	tcattcccct	aattgcaagg	120
aagattttta	ggcagtgagt	ctcaaaactgt	aatcttacca	ccagcagctg	taatgctgca	180
aaaattctca	ggttctaccc	agacctacta	gatcagybct	ggggggttagc	taggcagcct	240
gtgtgctaac	aagtctctct	ggggactcag	gtacacaatg	aagtttaaga	aaagtgcctt	300
tcaggctggg	gatacagttc	hgttggggaga	atcttgcccta	atatgttcaa	ggccctgagt	360
ttggttatca	gcattacata	agtgtgtgtt	tgtacatgcc	tgtcctcttt	gggaggtagg	420
agataaagg						429

<210> 347  
 <211> 274  
 <212> DNA  
 <213> Murine

<400> 347

ghcccccggc	tagagcggct	tttttttttt	ttttttttgt	tttttgaggc	agggtttctc	60
tgtatagccc	tggctatcct	ggaactcact	ctgtagacca	ggctggcctc	gaactcagaa	120

atctgcctgc	ctcgcctccc	cagtctggga	ttaaaggcgt	gcccaccact	gcccagcttt	180
tttttttttt	tttaatcctt	tttatttttt	ttaatagcta	agtggtttga	ctgggttttca	240
gtggtagacc	acgtggaaat	gagaatattt	atca			274

<210> 348  
 <211> 287  
 <212> DNA  
 <213> Murine

<400> 348						
gaattccccg	gctcgagcgg	ccgctttttt	tttttttttt	tttcagaaag	ccagttttatt	60
tctaagactt	tgtcataaaa	cttttagcgg	gtaccaatag	ttacctgcca	tactcgcacc	120
aagttgtctg	tatagccagc	aaacagagtc	tkgccatcag	cagaccatgc	caaagaggta	180
cactgggggtg	gctctgcctt	kctgctgggtg	ctgataaact	ottottcaat	tcatctacaa	240
tgatcttgcc	ctccaagtyc	cagatcttga	tgctgvgcc	tggcagc		287

<210> 349  
 <211> 403  
 <212> DNA  
 <213> Murine

<400> 349						
gaattcgctc	tccttccttc	ggaacaacat	tagctacctg	gtgctctcca	tgatcagcat	60
ggggctcttc	tccatcgctc	ccctcattta	tggcagcatg	gagatgttcc	ctcggcacag	120
caactctacc	gccatggcaa	ggcctatcgc	ttcctgtttg	gtttttctgc	tgtctctgtc	180
atgtacctgg	tgttgggtact	ggcagtccaa	gttcatgcct	ggcaactgta	ctacagcaaa	240
aaactcttag	actcttggtt	caccagcaca	caggagaaga	aacbgaatg	aagcctgctt	300
gataaactgc	tctcgagggg	taaaacctag	gbctccatt	gagcagcgk	aaggagchg	360
tccagactct	ccatcgattg	tvgcactctg	gatgttkgvc	acc		403

<210> 350  
 <211> 231  
 <212> DNA  
 <213> Murine

<400> 350						
gaattcgggt	accatcggtt	agccaatcgt	ttatggcaat	gttgccaggt	actttggaaa	60
gaagagagaa	gaagacgggc	acactcacca	gtggactgtg	tacgtgaagc	cctacagaaa	120
csaggatatg	tcagcatatg	tgaagaagat	ccagtttaaa	ttacacgaaa	gctacggcaa	180
tcctctaaga	gtcgtcacca	agcctccata	tgaaatcaca	gaaacargat	g	231

<210> 351  
 <211> 321  
 <212> DNA  
 <213> Murine

<400> 351						
gaattcggcc	atctggctta	ggtgccttac	actggttgca	ttcatttctc	caagagaagt	60
tcattgttctc	acatgtagga	ttaggacact	tccagtctcc	agctcgttgc	tgctcctccac	120
ctccaccacc	tccactgggg	aatectcccc	ggccaccacc	accactgcca	cctcctccat	180
agcctccacg	gcccattgggt	cctcctcgvc	ctcggcctcm	vccaccattt	ccaccacccc	240
gattgaagtc	agctcggcgg	gtagcaaatg	aaaactttta	taggattccc	agagaattct	300
ttaccatcaa	aacmagtcga	t				321

<210> 352

<211> 319  
 <212> DNA  
 <213> Murine

<400> 352

gaattcggcg	gcgtttat	ggagcaaatt	cagctcccgg	agctggacgg	ttgaatgcag	60
gaggagttcc	accaattgct	ccaattccct	ccattgttgc	agcttggcca	aaacgttcag	120
ttgttggtgg	ggtcaatcca	agggttccat	ctggcatcat	agtggcaggt	cctggaggag	180
ctggagtacc	aggtggcaca	ggagcagggg	gcacgcgcgc	tctattgttt	atgcccatag	240
cacctcccat	agccatttgg	cccatccgta	tctcttvttc	tctcgcatca	gggaagggtc	300
ccttgaatcc	ttccwgcgt					319

<210> 353  
 <211> 286  
 <212> DNA  
 <213> Murine

<400> 353

gaattcttcc	atatttgtat	catgtagctg	tgcttttagc	ttttcatttt	cagctaaaat	60
ttgttcataa	agctttttga	agtcagttga	gtcatccttt	tctagcctgc	tactgtaagg	120
ttttctgtct	tctaagtaac	tgtatgaagc	agagcgaccc	agcaagggaat	cataccgata	180
acttgatgat	gtggaactgc	tgtcatacct	ggaaacagaa	tccgtctaga	aagtaaaaaa	240
aaaaaaaaat	ttckgscckc	hcgadcgggg	aattccacca	cactgg		286

<210> 354  
 <211> 379  
 <212> DNA  
 <213> Murine

<400> 354

gaattcccag	tttctggctg	ttataaataa	ggctgctatg	aacatactgg	agaatgtgtc	60
cttattgcaa	gttgaaacat	cttctgggta	tttgtccagg	agaggaattk	ctggatcttc	120
tggtggtggt	ttttttccaa	ttttctgaag	aactgccagg	ctgatttcca	gagtgtttgt	180
attagcttgc	aatcccacca	acaatggagt	gtttcttttt	ctccacatcc	tcgccagcat	240
ctgctctcac	ctgagttttt	gahcttagac	attatgacyg	gtgtgaggtg	gaatctcagg	300
gttgttttta	hgtgcatttc	cytgataatt	aaggatgttg	acmtttcagg	tgcttctcag	360
ccattcagta	ttcgtcagg					379

<210> 355  
 <211> 319  
 <212> DNA  
 <213> Murine

<400> 355

gaattcgaca	aacagtaaga	cttgactgga	atatctagtt	acagaatatc	ccagggaatt	60
ctttggtctt	atcattttta	ggaaaaagaa	aagcaacggc	aagcagaatt	acaggagaah	120
gaaatcgag	aaaaaaagtt	ttaaagaatg	ttggaaaatg	caaaaaataa	acctcgtycg	180
ctgcaaagag	ctatggttac	tccagtggaa	acttacagg	tggtattttac	gtctgtgctt	240
acataaatat	ggtttgcaga	agcaaatgat	atatatagaa	atgtataaaa	gtaatttttc	300
tttgaaatta	ttattttct					319

<210> 356  
 <211> 104  
 <212> DNA  
 <213> Murine

<400> 356  
 gcgcctaggcg agcgcgccctg cctgaagctg cgcattcccc atcagaaatg acccagtcgt 60  
 cgtcctctcgc gcaccgaatc gtatgattct ccscagcat gctt 104

<210> 357  
 <211> 87  
 <212> DNA  
 <213> Murine

<400> 357  
 gcggtagggcg agcgcgccctg ccctgaagct gcgcattccc gatcagaaat acccagtcgt 60  
 cgthtctctc cccgaatcgt atattct 87

<210> 358  
 <211> 260  
 <212> DNA  
 <213> Murine

<400> 358  
 gaattccgct gcctcaagct ggcttaagtc ctgctgagat tcagcaacta tggaaagaag 60  
 tgactggagt ccatagtatg gaagacaacg gcatcaagca tggagggcta gacctcacga 120  
 ctaacaattc ctctcgcact acctcctcca ccacgtccaa agcatctacc acccatcaca 180  
 catcattcca tagtgaacgg acagtcttca gttctgaatg caaggcgga cagctcatca 240  
 catgaggaga ctggggcctc 260

<210> 359  
 <211> 163  
 <212> DNA  
 <213> Murine

<400> 359  
 gaattccgag gccagcgccg cgggtggagaa gctagtttcc ggcggtgcggc aggccgcgga 60  
 cttcgcccag cagtttcgtt cctactcgga gagcgagaag caatggaaag mgcgcatgga 120  
 gttcatcctg ccacctgcct gactaccgag acccaccga cgg 163

<210> 360  
 <211> 552  
 <212> DNA  
 <213> Murine

<400> 360  
 gaattcgtac agtcacaaaa gtcacatttc agaggaaatc ttaatagatc ttctcacagc 60  
 caaaaatgca agaagcacac attttatagt tttaagtttg tatctcagag cctcagtcca 120  
 tacagaacaa agtcagccca acaaaatcag ttcaaggaaa acaaaagtta atttgcttgg 180  
 gcttcctagc taacacttgg ctattttccc actcaggtgg aggagtgtgt aattctgcca 240  
 gtgccccgga gctgagcacc caggctaaaa cacacaaaaa aacacaagtt aggtcctggt 300  
 gctgagaaaag ttacagttag agcggaggct gctgacagcc tggagttcct ggaatgatca 360  
 caactccagc agcacaacct tgacttacaa ttgrcagctc tgctctactc tggggtctga 420  
 aaaccccaga gaggcgcaaa gctgactcta agaggcaagg tctgtcttgc tgttggtcta 480  
 ttgccacgaa gagacacat gaccaaggca actttgaaag catttaattt gggggtcat 540  
 ggatccaagg gg 552

<210> 361  
 <211> 434  
 <212> DNA



<213> Murine

<400> 361

gaattcctgg	aactcactct	gtagatgaag	actgtagcag	aactcagaga	cccacctgcc	60
tctgcctctc	aagtactggg	actaaaggca	tgacgacta	ttgcactgct	gagttttgtt	120
ttctttttct	ttcttttttt	tttttttttg	tttttcaaga	cagggtttct	ctttatagcc	180
ctggctgtcc	tggaactcac	tttgtagacc	aggctggcct	cgaactcaga	aatacgcttg	240
cctctgcctc	tgctcccgga	gtgctgggat	taaaggcatt	cgccaccacg	cccggccttc	300
tttttttaag	attaaaagta	aattactttt	attaatttaa	agttatgtgt	gtgtttttct	360
ctaggtatgt	acataagaat	gcagatgccc	acacaggtca	gaggcatcag	atcctcctgg	420
agttaawgct	acaa					434

<210> 362

<211> 426

<212> DNA

<213> Murine

<400> 362

gaattctgag	tgagctgacc	caaggcccat	tggtctcaga	ccttgctgaa	tatgcttggt	60
gacacctaaa	cctgcgcgct	gttctcattt	tggaactgtg	tctggctttt	gcttttcctt	120
ccgcacagga	aactatcatg	aaattccttc	ctttgctttg	gtgccaaagc	ttcatctcat	180
ccatttcttc	agcagccatt	tcctgagtgt	ctgcactgta	ctgggcctgg	ttaaaggcca	240
gggaaaaagc	agatgttgga	aaagaagcct	gcatacttcc	gtagaatgta	agatgtaact	300
cagagttgag	aaaagggagg	ggtgacattt	gtaacttttt	cccttgctgt	acagtctaca	360
ataaattata	ctacataaaa	ttctttaaca	gtattcatta	atgtagctga	cccattagga	420
tgga						426

<210> 363

<211> 452

<212> DNA

<213> Murine

<400> 363

gaattcgctc	caaccattct	ggtcaggaaa	gagtgtgagc	atgcttctctg	acaactgcta	60
gaaaaactgt	gagttgagta	cactgctcct	ctttattatg	gccccaaact	ctgaccttcg	120
gtttcttttg	caagggaactg	aagaaagagc	tgagaccttt	cttattctgt	ggaatgtcag	180
aggaagatca	catgacaaag	gctgaacact	tttagctttg	ttgtgtacta	agtccagtgt	240
atcaaataag	aaaataactt	actctggctg	ctgtaggggtg	ggagatgagt	atcatggatt	300
ctagacaaag	tgaccaactc	tctctcatat	acaaavcaca	ctctgggggr	ctcccaaagc	360
gatcttcctg	aaagctagac	ttctgttaag	taactccaac	aacacagtct	cttbgggtgaa	420
tatgtaagtt	tttttaaaat	atttttaaga	ac			452

<210> 364

<211> 380

<212> DNA

<213> Murine

<400> 364

gaattcctgc	catttccagg	agattgctga	gcattcttcac	aaaaaccaga	actttccaag	60
tgctgagtag	gatcaccacc	taaataatac	tcttcttgctc	caaattgctc	catagagtca	120
cagtacactt	cactatctga	atcacttggt	aaatgggtgta	ttcctgaagc	atcttcaactg	180
ggatcttcat	ttctatcttg	gtgagcacag	acaatgggtgt	tctgtctgct	gagagctctc	240
atctccaggc	ttttcatctt	cacvcttctg	gtgcccggga	agaatcagta	tgaatgtcac	300
tctgtatatc	ctgaacaaag	ctacctttat	agccattgta	acaatgattt	ccaaattctt	360
atctctgatt	ycytcagctt					380

<210> 365  
 <211> 308  
 <212> DNA  
 <213> Murine

<400> 365  
 gaattcccg cgcgtccctct taatcatggc ctcagttccg aaaaccaacw aaatagaacy 60  
 gcggctctat tccattattc ctactgtcgg tatccaggcg gctcggggcct gctttgaaca 120  
 ctctaatttt ttcaaagtaa wckcttcggg ccccgcgga cactcagcta agagcatcga 180  
 gggggckccg agaggcaagg ggcggggack gkcggtgact cgcctykckg hkgaccgcyc 240  
 kctccccaag atccaactac gagcttttta actgcagcaa ctttaatatata octattggwg 300  
 ctggaatt 308

<210> 366  
 <211> 479  
 <212> DNA  
 <213> Murine

<400> 366  
 gaattcagac tttgtcataa aacttttagc gggtagcaat agttacctgc catactcgca 60  
 ccaagttgtc tgtatagcca gcaaacagag tctggccatc agcagaccat gccaaagagg 120  
 tacactgggg tggctctgcc ttgctgctgg tgctgataac ttcttgcttc aattcatcta 180  
 caatgatcct gccctccaag tcccagatct tgatgctggg ccagtggcag cgcagagcca 240  
 gtagcgggtg gggctgaagc acaaggcatt gatgatgtcc ccaccatcta aagtgtagag 300  
 gtgcttgccct tcattgagat cccacagcat agcctggcca tccttgccctc cagaagcaca 360  
 gagggatcca tctggagaga cagtcactgt gttagagtag ccagtktkkg ccaatgttgg 420  
 ttgggtcttt agcttgacgt tagccagatt ccacaccttg accagcttkk tcccatccg 479

<210> 367  
 <211> 475  
 <212> DNA  
 <213> Murine

<400> 367  
 gcgcggattc tttatcactg ataagttggg ggacatatta tgtttatcag tgataaagtg 60  
 tcaagcatga caaagttgca gccgaatata gtgatccgtg ccgcccwga cctgttgaac 120  
 gaggtcggcg tagacggtct gacgacacgc aaactggcgg aacggttggg ggttcagcag 180  
 ccggcgcttt actggcactt caggaacaag cgggcgctgc tcgacgcact ggccgaagcc 240  
 atgctggcgg agaatcatac gcattcgggtg ccgagagccg acgacgactg gcgctcattt 300  
 ctgatcggga atcccgacg ttcaggcagg cgctgctcgc ctaccgccag cacactggcg 360  
 gcctcgagca tgcacttaga gggcccaatt cgcctatag tgagtcgtat tacaattcac 420  
 tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg cgttacccaa cttaa 475

<210> 368  
 <211> 543  
 <212> DNA  
 <213> Murine

<400> 368  
 gaattcatta actgtgctgt gataggatgt aggggggtgaa gtaagagggt aagcgcctga 60  
 tgtccctggc tgctttggaa atggctgttg ctgaggtggc tggagctgtg atattaaaga 120  
 gtccatcatg tcacctccta taggagaagg agggttatca tcctcattta cagatcttct 180  
 ccgagcatct tgattgctat caacaaacat gttagagaaa gtctttaatc ctggtgcagg 240  
 atagaagcct tcaactaact tgctgttatc aaaaagacta taggcaccgt cccgtattgc 300  
 cagcagcct cgactacggc agtatatgtc aatgcagtag atgttcctga aggccagtct 360

gatgtgggtg	gatgattgtg	gtaaaaatgga	gaaacccygg	taggcsgtgt	tagttctctg	420
gtcaagccca	acatttgaac	agtagggagt	ttgttgatag	cattttaatgg	tgcttgagta	480
tcaaacaaaa	cctgtaataa	ctgaccacat	ttgggtgtttt	gtttgaacat	ttcttgaagt	540
tga						543

<210> 369  
 <211> 409  
 <212> DNA  
 <213> Murine

<400> 369

gaattcggcg	gaggcggcgg	cgggcgaggg	gggcgcgagc	gagcgggacc	cagacgcggg	60
ccgcgcggcc	ggcggctgcg	ggttctgtcg	ggccatctgc	tgggcgggcc	ccaggaggct	120
ccgagtacca	atgagtgcaa	agcgcggaga	gccgcgtcgg	cggccggggc	gtcgcccggc	180
gctactcctg	ccgcaccaga	gtcgggcacc	atccccaaga	agcggcaaga	agttatgaaa	240
tggaatggat	ggggctacaa	tgattccaag	ttcttattga	ataagaaggg	ccaggttgag	300
ctgactggga	aaaggtaccc	acttagtggc	ttgggttttac	caactttgag	agactggatc	360
caaaacacc	ttggagtagt	ctggagcata	aaactacctc	taaaacatc		409

<210> 370  
 <211> 139  
 <212> DNA  
 <213> Murine

<400> 370

gaattcgaac	atttgctcag	gtatgaggca	gggtgagaaa	gctgggtgag	cctgcattcta	60
caaactgagt	gaattatgtt	chhtctgtgt	gtgaatgtca	gcatgacacc	ctgagtagaa	120
sccagaccct	gtcccctat					139

<210> 371  
 <211> 382  
 <212> DNA  
 <213> Murine

<400> 371

gaattcctca	aatatctata	taataattta	caaccgttgt	tgtggagata	ggatctcact	60
acacagtgc	cgatgccctc	aaaattatgt	agctgaggct	agtcttagcc	ttccaggcgc	120
tggggttaca	gatatgtgct	attacaacca	ggcttggctt	atactcttag	tatgcaaaca	180
tagtcttcat	atcttttatat	acctaattgca	tgccatttat	acaatacaca	aaatcatgca	240
aagctatcac	aaaattctgt	agtagaaaca	atctgattta	tgccaactgt	atgtctcaca	300
taactcaatt	ccttctttta	agaatgaagt	cttcaatttc	aagtgataat	tctattaaaa	360
ctagaatcaa	cacagtaaaa	at				382

<210> 372  
 <211> 319  
 <212> DNA  
 <213> Murine

<400> 372

gaattcctgc	tataataacc	taagctatta	agtcacaaca	gttttagctt	ttctttttat	60
aagagtttaa	gattttatgt	atctttatgt	tatgtgtata	agtatttgtc	tgtgcatcat	120
gtacatgcct	ggtgcccata	aaggcaagaa	ggggacactg	gaattacatc	cctgtaattg	180
aacagggtcc	tctgtaagag	cagacagtgc	ttataattgt	gaagtcctat	ctgttagvcc	240
ccagtttttg	gttttcaaaa	ggggtaactc	taaaaaatat	tataaraacag	aacatgctca	300
aaataaaatg	ttggcaaaa					319

<210> 373  
 <211> 261  
 <212> DNA  
 <213> Murine

<400> 373  
 gaattcgcgt tttcgtcagg agagatgagg taacaaacta ttgataacaa catagccata 60  
 agagaccaat actgacttca agactcaaaa gaacacagac cctaaaatca cagctttcag 120  
 gcagtgtgtt tctagaccac ggggcaactg tacmgcacia agcagcatgt gacaagaaac 180  
 atcattgaca aggcagttct catgggggat ggagcaggct agtgggggtc ggggtcactg 240  
 cyggaamct tcagaccga t 261

<210> 374  
 <211> 557  
 <212> DNA  
 <213> Murine

<400> 374  
 gaattcgcgt cggacctgcg gagcccagga tgggtgttgcg cgagagcgag cagttcctga 60  
 cggagctgac caggctcttc cagaagtgcc gctcgtcggg cagcgtgttc atcacctca 120  
 agaaatatga cggtcgcacc aaacctatcc cgaggaagag ttctgtggag ggcctcgagc 180  
 ctgcagaaaa caagtgtctg ttgagagcca cggatgggaa aaggaagatc agcacctggg 240  
 tgagctccaa agaagtgaac aagtttcaga tggcctattc aaatctactg agagccaaca 300  
 tggacgggct gaagaagagg gacaagaaga acaagagtaa gaagagcaaa ccagcacagt 360  
 gacaggcggt ggctgctacc aaccagctgc acaagtgcac ttttcctctg tttgctgctt 420  
 tcagcacctc tgtatgtaac tgtttccacg gaagggtcct ttaagagaga aggactggga 480  
 tgggcatggg ctagttgtbg taagacgcca kttttsattg tgcygtgtgg gctggatatt 540  
 cttagattcc agccgta 557

<210> 375  
 <211> 195  
 <212> DNA  
 <213> Murine

<400> 375  
 gaattccatt ggcaatttct ttttccaatt ccataacttt attcatttcc aaagagagct 60  
 ggttttctac aataggcaaa ctttgttctt gacgaatcag tctggccaca gaaatcataa 120  
 aatccacata tgctgtgcaa gcctctttat atawtccagt gcactcagac gcatgcccyc 180  
 amgcatagtt acaac 195

<210> 376  
 <211> 288  
 <212> DNA  
 <213> Murine

<400> 376  
 gaattccttg agaattaaaa tgaacgaaaa tctatttscg tcattcatta cccaacaat 60  
 aataggattc ccaatcggtg tagccatcat tatatttctt tcaatcctat tccatcctc 120  
 aaaacgccta atcaacaacc gtctccattc tttccaacac tgactagtta aacttattat 180  
 caaacaata atgctaatac acacacaaaa agggacgaac atgaacccta ataattgttt 240  
 ccctaatacat atttattgga tcaacaaatc tcttaggcct tttaccac 288

<210> 377  
 <211> 197  
 <212> DNA

<213> Murine

<400> 377

gaattccttg	tgtgcctggt	cagctccata	cacccagcaa	ttcacctgta	agatctgtcc	60
tgctttggag	gccgtggagt	ggagtcttcc	tttttcagga	tgaaagaagt	tggtctctcc	120
taaagacaac	agtctcagac	aggtctcaag	attccctggt	ctcacacttg	aatgggtcat	180
actgagatct	ttccgctc					197

<210> 378

<211> 229

<212> DNA

<213> Murine

<400> 378

gaattctgga	gttccgcagc	ttgacccaca	catttgccag	aggtgagaaa	gtggccgctg	60
aggtcttgct	gcttccctga	ggccgggtcc	ttcacgagag	agcagtagtc	gttctcaagg	120
tggggagcga	aggggctgct	ggccccgctg	cggchcgcca	caggacagac	catcggaaga	180
gctgtyvgcc	tcagagttaa	gggatggctt	cttggggccc	aggcgggag		229

<210> 379

<211> 57

<212> DNA

<213> Murine

<400> 379

gaattcatgg	aactactcca	tcaataggca	aagtggcatt	gattttttatc	tcidattt	57
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<210> 380

<211> 356

<212> DNA

<213> Murine

<400> 380

gaattcccaa	aagtgaata	agatgtccac	attaaaaaaaa	taaagcctac	aaaaaagttc	60
tggagctaaa	aaaattattc	atatggcaca	atgtgatctc	caaggtccaa	aatattgaaa	120
tgagatccgt	gtaagcatcc	tgtctgcttt	tcaatgcagc	actaacttta	ctgaggtgaa	180
atcacaattt	agttcttcag	tcaacaagtg	gacacaaatg	tttttctaca	gttattaaaa	240
acaggagatc	aagttgaatg	tdccgaaatg	atttcttcag	ttggatattt	tagtatcttg	300
aagaaaatta	gtdaagggat	acttgtcgtt	tccatagcyt	gatagaccaa	aacaaa	356

<210> 381

<211> 371

<212> DNA

<213> Murine

<400> 381

gaattcgcac	gcaagcccta	tcataccaca	ggaaacagag	cacaagagaa	gtgtacagtg	60
gagtgggcat	scgtaaaaag	atgggtgtttc	caagcagaag	tatatgcaaa	grctttgcta	120
aacagaaact	gaacagatag	cttataccat	tagatcagat	tttgaagggt	tttaggatgc	180
atggagatgg	gccactaggg	ttgactatga	ccgagggtcag	gtattatgtg	tttacttaag	240
attcctttct	dscgatgaga	atgcattctg	actccagcat	gcaccagggtg	cgcttdctdc	300
ccagadctgg	gattgccaat	tccaagtgtk	cctagccttg	aggattgacc	ttggsctga	360
gcatagcctg	t					371

<210> 382

<211> 323  
 <212> DNA  
 <213> Murine

<400> 382

gaattcwcgc	tcwchcttcc	tcagthcttt	caaagtcaca	ggaacctggc	aatttccctt	60
ttcattcccc	ctcccacttc	cctggtaagt	hctctcggga	atatcacaag	agtttccaga	120
hctggttcgg	atcacctttc	ctgtaattaa	ttaattatga	gaagaaacag	acagtacaat	180
agatctgata	agatgtagca	ttcttggtta	gattaaacaa	tacatttata	maayhgtatc	240
agaacaaatt	aacataatat	ttaatcttat	mmvcaccaat	aaccacagga	attggttattt	300
ccaardggag	agtcttggtta	gaa				323

<210> 383  
 <211> 379  
 <212> DNA  
 <213> Murine

<400> 383

gaattctggt	tatgtagcat	ataaataata	taaaattaaa	cataaagaac	ttagtatttt	60
attgtaagt	aaaaaaataa	aactagaatt	gtcatattaa	tggtcctgca	tatcaaataa	120
ttttcaccaa	gtctctgtaa	tacatactaa	cagcattaga	cacagggaaa	caatcaagat	180
gatcaaattc	ataacaaaaa	actgtattgc	taacattgta	acattttata	agagttaatt	240
gaatagtgc	caaagttctc	ccttaaccct	tccatctgat	gactgtgaga	ttgtttttta	300
agtttgctgt	aaaagaagac	ttgccttggc	cwmctatacc	tycaaccaat	ctatagaatt	360
cagaggacca	ggagggtac					379

<210> 384  
 <211> 63  
 <212> DNA  
 <213> Murine

<400> 384

gaattccaac	agttttgaaa	gtaattaaga	gaaatcacia	acagttaatt	ctgtcctcca	60
aat						63

<210> 385  
 <211> 193  
 <212> DNA  
 <213> Murine

<400> 385

gaattctttt	aatacaagtt	attgtcgaag	aaatcactgg	aggagagaaa	aaaaaatctt	60
cttcawccca	caacacttaa	aaagtaacac	atgaaaggag	aaatctggta	acaagcagga	120
tagacttcat	tctagtaaaa	agaaataatg	tttcaaaaca	caatctaaag	caggcttcca	180
ttagcaaaga	aat					193

<210> 386  
 <211> 252  
 <212> DNA  
 <213> Murine

<400> 386

gaattcgacg	gccgtttttt	tttttttttt	tttttttttc	ttttcttttc	ttttctcttc	60
tcttctctts	tcttctcttc	tcttctcttc	tttctttctt	tcttcttttt	ttgggttttt	120
tcgagacagg	gtttctttgt	atagcctggc	tgtctggact	cactctgtag	acaggbggct	180

caaactcaga aatctgctgc tctgctgttg agtgctggga taaaggcgtg ccacacactc	240
ggctgagayc tg	252

<210> 387  
 <211> 103  
 <212> DNA  
 <213> Murine

<400> 387	
gaattcggac aacaactccc acaagaagaa catcttcgag aaacccttca ggctcgctac	60
gtgcgtgtcc ttccagtstc ctggcataac cgcatcacc tgc	103

<210> 388  
 <211> 153  
 <212> DNA  
 <213> Murine

<400> 388	
gaattccaga tcccattaca gatggttgtg agccaccatg tggttgttgg aaattgaact	60
caggacctct ggaagagcag tcagtgtct taaccatctc cccagcccat gtcttacatg	120
tttrtttaaa tgaggaacga tagtgtgts att	153

<210> 389  
 <211> 337  
 <212> DNA  
 <213> Murine

<400> 389	
gcgttaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca	60
gtcgctcgctg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttcggccag	120
tgcgctcgagc agcgcgccgt tgttcctgaa gtgccagtaa agcgcgggct gctgaacccc	180
caaccgttcg ccagtttgcg tgygtcaga ccgtctcccg acctcgttca acaggtccag	240
ggcgbgacgg atcactgtat tcggtgcaa ctttgtcatg cttgacactt tatcactgat	300
aaacataata tgtccaccaa cttatcagt ataaaga	337

<210> 390  
 <211> 281  
 <212> DNA  
 <213> Murine

<400> 390	
gaattctttt tttttttttt tttaaagact tatttattat taaatataag gacactgtaa	60
ctgtcttttag acacaccaga agagggtgtc agatctcatt accaatgggt gtgagccacc	120
atgtgggttc tgggatttga actcagtatc ttcagaagag cagtcagtgc tcttaaccac	180
tgagccaact ctccagcccc ccaaaagaca gccagcatta cactgagctt agagccagcc	240
tggttatgta tcaagtctgt gtctcaaaat gaaaagtga a	281

<210> 391  
 <211> 262  
 <212> DNA  
 <213> Murine

<400> 391	
gaattctttc aactccaatc tctgactttr ctcatctgtt ctcagcttca aaatgcaagc	60
acagactaca gctaactgag aactgggtcc actcaggggc tatggcgag gagccctgac	120

gcatgcctcc	gcvgctgccc	caggctctta	ccagcaggtg	gtgctggcgg	tggtcagctg	180
ctgcctcatg	ctgggcaggc	tctkctgcct	gtgcaacatg	tctgacggaa	gttaaggcct	240
ccagtctaac	aaggtttctc	ac				262

<210> 392  
 <211> 399  
 <212> DNA  
 <213> Murine

<400> 392						
gaattcgttt	tttttaaatgg	ctttttgtaa	catcgctgca	ggaagcgggt	ttctttgttt	60
tcttttcttt	ctaagagaag	gtatctccct	ggtgcaatag	ctcggcaccg	ccggcggggg	120
cctctcgaca	caccccagcc	ctgggctcct	ctggcctcca	aatcattcag	gatggtgagg	180
gaggatggga	aggagggggg	agggggacag	gtaaatcgca	tctgcgcca	cttctctctc	240
tacctccttt	tggagaacca	gccagcctgg	accactttct	ccatcttagg	acaacttgag	300
gctccttgct	ctcatctgtg	cttcagagaa	ttcctttccc	tcchgggttc	tgtctggttc	360
tcagcagggt	tcccaggcca	ctgtgcagtg	gcattctagc			399

<210> 393  
 <211> 632  
 <212> DNA  
 <213> Murine

<400> 393						
gaattcgggg	gagaaagaga	gggagggaga	aagagagaga	gagagagaga	gagatcttgt	60
tctcctggca	caatattaac	tgtttataat	taagctaaaa	acttggtctg	gtattttatg	120
acatcaggga	aattctttcc	tctctaggca	gattgccaaa	aacaactaga	agctaaatgc	180
ctgtgccttc	tgcttctacg	acacaccact	ccgtcttggt	cagtttcaac	tagcgtcgct	240
ctaaaaggac	aaaaaacttc	ttgtttttct	aaataaaaaca	taaatggccc	agaatttgaa	300
ttgccgatct	taaaatttta	agtgactgaa	gattctatta	attctggcaa	taaaatcatt	360
aaaaacaaaa	caggttgcat	aagactttta	aacaattcat	tcacaggcat	gagaatttaa	420
ggtttctttt	aaaatataaa	atgctaaaac	aataagtcta	acaggagaat	atgaataata	480
cmatattcta	agaaaaaac	ccacaaagac	aaacatgaca	tttcattcat	agctcattca	540
aataaaccaa	ggattaaacc	ttagttttta	cctgttaatt	ttcctttttr	ytttagtatg	600
tctgatgtcd	catgtacgrt	arccagaagg	cc			632

<210> 394  
 <211> 376  
 <212> DNA  
 <213> Murine

<400> 394						
gaattcaccg	gctcgacggc	cgcttttttt	tttttttttt	tacataaaaa	gactttattt	60
gcaggggagc	aggaatttaa	tcaaacaagc	caaatcccat	gtcgtcatcc	gactcctcgg	120
actcctcctt	cttctcatct	ttcttctcct	ctgctgcagc	gggggcagaa	ccagcagcag	180
gtgctgcaga	gccaggggca	gcagaaacag	ccacagcccc	accagcaggc	acactggcca	240
gcttgccaac	accctgacga	tgacatcctc	aatgttcttt	ccattcagct	cactgatgac	300
cttggttgagc	cgatcatcgt	ccgcttcgat	gccacctgt	ctagtatttt	cttgatgtct	360
ttggcactag	gagagg					376

<210> 395  
 <211> 348  
 <212> DNA  
 <213> Murine



<400> 395  
gaattcrgcc gcttttdrtt tttcattacg gtaaacagga atatattcar atgctaatrc 60  
ctcctttgac cagaaatgga acatgctgaa ggatgaagac aaggatcttt dvcctttgct 120  
tgaggtagch garctggtga cgttcagtta ttctaacagt gtcattcagt cacagtcagt 180  
gcctgaacca gaatgtgtgt gtgtggtaaa aatatctgtc ttcacaacag tttctggtgc 240  
rtttagaat agcacataac tgctttctrc agtttgdct ttgacagtat aatgtatgtt 300  
ggtcatattt aacccaaatc atctctccct ctaacattgc aacacccc 348

<210> 396  
<211> 468  
<212> DNA  
<213> Murine

<400> 396  
gaattcgcac ttttgatgtg tcaatcctca ctattgagga tggatttttt gaggtcaaatt 60  
caacagctgg agacacccac ttaggtggag agattttgac aaccgaatgg tcaatcattt 120  
cattgctgag ttcaagcgaa agcacaagaa agacatcagt gagaacaaga gagctgtccg 180  
ccgtctccgc acggcctgcg agcggccaag cgcaccctct cctccagcac ccaggccagt 240  
attgagattg attctctcta tgagggaatt gacttctata cctccattac ccgggctcga 300  
tttgaggagt tgaatgctga cctgttccgt ggcacactgg accctgtaga gaaggccctt 360  
cgagatgcca agctggacaa gtcacagatc catgatattg tcttggtggg tggttctacc 420  
agaatyccca agattcaaaa cttctgcaag acttcttcaa tggaaaag 468

<210> 397  
<211> 381  
<212> DNA  
<213> Murine

<400> 397  
gaattcgtct tcaacggctt ctgtaaatct cggtgacccc acaaggcgta ctgaaggaga 60  
ttacttatcg tacagagagt tacattcaat gggaagaact ccagtcagt caggatcaca 120  
gagacctctt tctgcacgag cgtacagcat cgatggccca aatacatcca ggcctcagag 180  
tgcccgtccc tctattaatg aaataccaga gagaactatg tcagttagt atttcaatta 240  
ctcacggact agtccttcaa aaagaccaa tacaagggtc gggctctgaac attctctgtt 300  
agatcctcca ggaaaaagca aggttctctca tgactggcgg gacagtacta cgacacattg 360  
aggccaaaaa gttagaaaag g 381

<210> 398  
<211> 239  
<212> DNA  
<213> Murine

<400> 398  
gaattccccg actcgagcgg ccgctttttt tttttttttt tttttttttt tccaagcaaa 60  
ccaacacact ttactgtggc gcaggctgcc tcagactgtt acttatttca gcccaagaac 120  
tagaaggact tgaccagctt ggacaggcat ctgctcmgct ccaggcttcc acgagtcttg 180  
gcacagaagg gttctctgaa aagtctacca caggaactgt gtctcggcac atgccaagt 239

<210> 399  
<211> 391  
<212> DNA  
<213> Murine

<400> 399  
gaattcaatg aaacatacat tcagaagctt ttctcattct cttgaacaac acaaagtga 60

aagtgataat	aatggtgcag	aaggtgtaac	agctttttcc	tgtataacac	aggtaactct	120
cctcctaaca	gtatttggtg	aagatgatca	atctcaggat	gttataagat	tgcgtcaaga	180
tgtaaatgat	tataaccgga	gattctcagg	gcagcctaga	tctgtaagta	atattatagc	240
agctacaaag	tcagagagag	cctttatact	ttttgtacaa	tcagatttat	caaccagcta	300
ttgaactatg	taaagtctta	gtatgtvtcg	actaagtttt	aaccttcato	attgccagth	360
gctagthhcc	cagagagcag	agtttatcta	t			391

<210> 400  
 <211> 264  
 <212> DNA  
 <213> Murine

<400> 400						
gaattccccg	gctcgcagcgg	ccgctttttt	tttaagtaga	tttagcttgc	ggacccccctg	60
gtgtgacaga	gaaggccccag	caaagtaaaa	agtagctaaa	agctgaggcc	tatgacccca	120
aagcccttgc	taacttcccc	ttgctaactt	cctcctgacc	agaggtctcc	tgcbgccagc	180
aggaatgaag	cacactagcc	ttagaggcag	gtctgcgctg	tgggtctgtg	gaagcctcca	240
gcctttctca	gcctcctgct	aagg				264

<210> 401  
 <211> 266  
 <212> DNA  
 <213> Murine

<400> 401						
gaattcctcg	gtcaaaactcc	ccacctggca	ctgtccccgg	agcgggtccg	ccccccgcac	60
gcgcgggacg	gacgcttggb	gccagaagcg	agagcccctc	ggggctcgcc	ccccgcctc	120
accgggtcag	tgaaaaaacg	atgagagtag	tggtatttca	ccggcgggcc	gcgaggcbgg	180
cgtgccccga	ccccgacgcg	aggacggggc	ccgggcctcc	cacttattct	acctctctcat	240
gtctcttcac	cgtgccagac	tagagt				266

<210> 402  
 <211> 341  
 <212> DNA  
 <213> Murine

<400> 402						
gcggtaggcg	agcagcgcct	gcctgaagct	gcgggcattc	ccgatcagaa	atgagcgcca	60
gtcgtcgtcg	gctctcggca	ccgaatgcgt	atgattctcc	gccagcatgg	cttcggccag	120
tgcgtcgagc	agcgcccgt	tgctcctgaa	gtgccagtaa	agcgccggct	gctgaacccc	180
caaccgttcg	ccagtttgcg	tgctcgcaga	ccgtctacce	gacctcgttc	aacaggtcca	240
gggcgcacgg	atcactgtat	thggctgcaa	ccttgatcatg	cttgacactt	tatcactgat	300
aaacataata	tgtccaccaa	cttatcagtg	ataaagaatc	c		341

<210> 403  
 <211> 369  
 <212> DNA  
 <213> Murine

<400> 403						
gaattcattt	tatttgaagc	aaccttaatc	ccaacactta	ttattattac	ccgatgaggg	60
aaccaaactg	aacgcctaaa	cgcagggatt	tatttcttat	tttataacct	aatcggttct	120
atthcaactgc	taattgccct	catcttaatc	caaaaccatg	taggaacct	aaacctcata	180
attttatcat	tcacaacaca	caccttagac	gcttcatgat	ctaacaactt	actatggttg	240
gcattgcataa	tagcattttct	tattaaaata	ccattatatg	gagttcacct	atgactacca	300

aaagcccatg ttgaagctcc aattgctggg tcaataattc tagcagctat tcttctaaaa	360
ttaggtagt	369

<210> 404  
 <211> 210  
 <212> DNA  
 <213> Murine

<400> 404	
gaattccaca gatgtacaag cttaaagatt tgaaagggaa acctgagagt gaacagagga	60
aagaaagaaa gaaggaaagg aagaaaggaa gaaaggaaga aaggaagaaa ggaagaaaga	120
aagaaagaaa gaaagaaaga aagaaagaaa gaaagaaaga aagaaagaaa gaaagaaaga	180
gmagagcgagc atcattttcc aagttggttt	210

<210> 405  
 <211> 396  
 <212> DNA  
 <213> Murine

<400> 405	
gaattcgctt gctgtgactg gtccacaatt ctttcttgtt catcaccagc agcaacctcg	60
gccaagttaac ggtagtagtc acccttcatt ttcaaataga agactttgct ttctgggtgc	120
gaasattggg gatcaagaac ttttccaaaa gagacagtac atcgttgcag atgtcacgca	180
gctccgtctc gatcttctct ctgtattctc gagccatctc tgctttttct cagcacctth	240
cgtcttctgc tcaataactg agacgacct ccacgatgac ctacgggctc ctacaacgtt	300
tttataagca acagagagaa ggtttctctc ctcatwcgac agctcagctc cctctcagtg	360
acagacttya tkcaggtgc catgtcatca tatcgc	396

<210> 406  
 <211> 286  
 <212> DNA  
 <213> Murine

<400> 406	
gaattcgccg cttttttttt ttttttttcc cacggaactg atatatcacg atggagagaa	60
caatgtctat ggctgcacaa atccagaaat actagaagaa aactagccga aacttcttgc	120
taaagtgtga atgtaactat tgattactga catccttccg tttaaatcct atgtgttgaa	180
aatgcaatct tgggcagcct ggggacaaat gttcagtggg tgcttcaagt tgaaatctgc	240
tgcatgtggc tgaggtttgg tgaamctgcm aagtcacagc ctgtgc	286

<210> 407  
 <211> 200  
 <212> DNA  
 <213> Murine

<400> 407	
gaattcaaga cgtaggcagt acacagcagc agttcctgag tgtccctggt tgtcacaacc	60
tggaggatgg tgaagttctc caggacactg ttcattcatgt agcggttcagg cagctgacgg	120
agcttggtgca ggaaattaac caggtactca cacatgggag agcgcasaga cggtaacaaa	180
agcgcccgctc ctccagctgg	200

<210> 408  
 <211> 287  
 <212> DNA  
 <213> Murine

<400> 408  
gaattctttc tttctttctt cttctttctt ttctttctct cttctttcac attttacagt 60  
atgcatactt gtcttaagta caaatagaat taagtacaaa cagtatagga ataaaattgg 120  
aattaaaagt ttgadctctt acatgggtca gttggtagtg ctgtctgtgc aagcatatac 180  
taagccagat atggtggtgt gtgattgtca tctcagcatt aagggkggca gagacagggtg 240  
tdcccttggg ttwscgctag ttagtcgagc cagaattgca agctcca 287

<210> 409  
<211> 392  
<212> DNA  
<213> Murine

<400> 409  
gaattcccaa atgaactctc acttcttagg gcttgagttc cagaagtact ggggaaagac 60  
taaagccaca gaagtgttga tgggggactg gggagattcc tcaatgggag aattcagggtc 120  
cccagggtccc ggacttggca atgtgccttt taactgagat ccttggggct ggtgagacag 180  
aatgtcaggc tcccgtgac ccagtgggtc tcaatcttcc tgtgctgtga cccttaaata 240  
tagttcacat tgtagtgaac ccagccatga aatttthgtt gctattttat aaccgtgagt 300  
ttgttggttat gaactgtaat gtaaatttgt ttttcaatgg gtcacagggc gaccccccaa 360  
agtgtgggcg gcacagggtg agaaccactg gg 392

<210> 410  
<211> 382  
<212> DNA  
<213> Murine

<400> 410  
gaattcgcg cgcgtttttt tttttttttt ttttttattg tcaagtattt atttatacct 60  
acaaaagaaa acaagatggt atcaaaaagga caatttacia actaagaata gtagtaacat 120  
agctctgagc atcctgtgca taacatcaca cctacaattc aagtctcaat gacaggaatg 180  
tgtggagaga ccagcaaggg cgtagcaga gcaactgatcc caagcaaaaag ccaccaacct 240  
tttttagatg agaagtctgc acaatggatg gttagggaga agcagcccac agcctaacac 300  
ctagbcttcc taagtgaagta accataacgg cattaaccca gctggaaggg tttgctgcac 360  
ctgtgctgac aaaggacaga ca 382

<210> 411  
<211> 264  
<212> DNA  
<213> Murine

<400> 411  
gaattccccg gccctggcac agaggactag gtgtgagagt gtgaggttcc cccccccacc 60  
tttctgctgc bgctccctcc ccccgacaca gccaccctcc gtgctcaccb bctgggagct 120  
tgttgcttct tgttcaaggb gcgtaattbc gacactctct agggcgagc gagccctgat 180  
ttacataatt ctccbgaagb cbttccctgg tagggattct ctcttbgggt ctgacaccag 240  
ggacaagagt bcaractgga aaaa 264

<210> 412  
<211> 337  
<212> DNA  
<213> Murine

<400> 412  
gaattcagaa ccagaagcca aaarccaata aaaacaaaaa tactamcaag tcacttwcca 60  
gctttaaatg tttaaatttt gcatggatca attttagaag ggcattgtat gtaaggcata 120

ctgtrgcatt	tcagtcacca	aaagaaacaa	tcttcctaaa	tcactagctt	ctaggctgcd	180
cttctcaatc	atgtgtctgt	ctgtctgtct	gtctgtctgt	ctgtctgtcg	tagcccagac	240
tgactgacct	ttgtttccac	cttccaagta	ctggatatgat	aagtgtcwg	rattatcctg	300
gcttagtctt	tgaaagtaga	achgagcaat	agggaaac			337

<210> 413  
 <211> 280  
 <212> DNA  
 <213> Murine

<400> 413						
gaattcagct	cacggaagat	gttgctaaat	tggaaagaga	aatggagcaa	aaacacaggg	60
aagawctgga	gcaattgaag	caattgactt	tcaaggacag	taagatagat	tctgttgctg	120
ttaacatttc	aaacttggtg	cttgagaatc	akccacctcg	gatttcaaaa	gcacaaaaga	180
gacgggaaaa	gawgkctgca	ttggaaaagg	agcgggaaga	aaggatagca	gwgkctgaaa	240
ttgagaactt	atctggagcc	agacaccttg	agagtgaaaa			280

<210> 414  
 <211> 408  
 <212> DNA  
 <213> Murine

<400> 414						
gaattcgttt	tattgggaaa	tgtatgcaat	tcactttcag	tttttgagaa	cacctagcaa	60
gcatccaaga	agacagcaca	cacagtttca	aaggaacaag	gacagacaaa	agggctggtg	120
gccatcccag	ggacattgcc	ttgaaaagta	agtaaactgg	gtgtcataaa	taagactttc	180
ttactttata	agaaggaaga	atcaagatcc	tgttttgatg	tgtattaaat	ataaaatata	240
aaatactctc	tgaccagac	gagggtggrv	gaaatcctcc	atccaacacc	tcaagtttca	300
tgcaataaaa	tccagaggtc	tgttgaatcc	gcctytcgat	ycatgtactg	cctgtactyc	360
ctcttttgag	acacgttgat	ggcataggca	ttacagagcc	gtctacct		408

<210> 415  
 <211> 247  
 <212> DNA  
 <213> Murine

<400> 415						
gcgtaggcga	gcagcgctg	cctgaagctg	cgggcattcc	cgatcagaaa	tgagcgccag	60
tcgtcgtcgg	ctctcggcac	cgaatgcgta	tgattctccg	ccagcatggc	ttcggccagt	120
gcgtcgagca	gcgcccgtt	gttcctgaag	tgccagtaaa	gcgcccgtg	ctgaaccccc	180
aaccgttccg	ccagtttgcg	tgctgtcaga	ccgtctaccc	gacctcgttc	aacaggtcca	240
gggcggc						247

<210> 416  
 <211> 374  
 <212> DNA  
 <213> Murine

<400> 416						
gaattcttca	tgtgtaagca	atacctactg	gtgatgtcgg	atgccctgga	gctggagtta	60
tcggcatttg	tgatgatcct	atttgtaggc	acagggaaca	aacttctgca	agagaagaaa	120
agactcttaa	ctgctgagcc	atctctcagg	cccccaacct	ctccattttc	tgctaattaa	180
acctttccct	hmctcagcct	tgattcatgc	ccataattta	cctcgacaca	tttcattctc	240
aaagaaatac	cattactcct	tagggattgt	ctcttggate	cttctgagat	tgatcgttat	300
gaatgtaaaa	gcacgggggg	ggggggggcag	aaatcacaaac	tgtaaattca	catcctacct	360

ctcgtgcctg gaat

374

<210> 417  
<211> 381  
<212> DNA  
<213> Murine

<400> 417

gaattcctcc	tacaacttca	ttaaactgct	actccttatt	atcaacattt	ccctgcgact	60
tcttacaatt	ggcatactcc	tcaagaatgg	catcgacatt	cttttttagca	gggagctgga	120
acaactgctt	ctgcctcgta	accaagtccc	agtcctccac	cagccacggg	tttaattctt	180
cagggatctt	caccttcacc	tccatcctac	tcttgaatgc	ctccgctctc	cacagtgggg	240
tcagcccgtg	cccttttctt	ccgagggggc	tgggggactt	cactggtach	gcctccgtct	300
ccgttgccag	gagccttcct	tgttcthchg	gtctthvgca	cagaaccgga	aggarggttc	360
tcagcagagc	gagcctcccc	a				381

<210> 418  
<211> 190  
<212> DNA  
<213> Murine

<400> 418

gaattcgctt	gctggagaga	gagcactccg	ccgggggtcg	gtgaagtatc	ccaagatggc	60
tgggcgtaaa	cttgctctaa	aaaccattga	tgggtatctt	ttgtggaggt	catgccccaw	120
aaccagaagg	caatggaaat	vccctgaagt	cctggaatga	gaccttccac	ccaggttggc	180
tagtctgtct						190

<210> 419  
<211> 191  
<212> DNA  
<213> Murine

<400> 419

gaattcgtag	cttgaggcac	agacgaactt	caccaagaga	gaactgcaag	tcttgtacmg	60
gggattcaaa	aacgagtgcc	ctagcgggtg	gggtcaatgaa	gawacattca	agcagatcta	120
cgctcagttt	ttmmctcacg	gagatgccag	cacatatgca	cattamctct	tcaatcttcg	180
acacacccag	a					191

<210> 420  
<211> 252  
<212> DNA  
<213> Murine

<400> 420

gaattccggc	tcgagcggsc	gctttttttt	tttttttttg	gctgtgtaca	caggggtgctt	60
tattctccac	agagtgtatc	atgctaaggt	gggctgggct	tggycgatgt	bcccatatgt	120
acagaactga	ataaagtggg	tctctgagag	gtctgagtcg	ccttggtgtg	aaarggacat	180
gggaaggagg	aggctgttaa	gaccagagtt	gttagtctgt	gctgtctgac	tggatgtagg	240
gaggtaggca	gc					252

<210> 421  
<211> 379  
<212> DNA  
<213> Murine

<400> 421  
gaattccccg gctcgagcgg ccgctttttt tttttttttt ttatctttca agctttttatt 60  
taagtgcact gacttaagaa tgattttaaatt cttgttaaaa gcagccacat ccatggactg 120  
tacgtagtcc tcaaaagcag taatttgctc ttccagcata tccgttccaa ccttatcatc 180  
ttcaactaca cactgtattt gaagcttttt aattccatat cccactggaa ccaatttaga 240  
ggagccccac accagggcat ctgcttgaat gcttcggaca cactcctcta gttttgtcat 300  
gtccgtctca tcatcccaag gcttcacgtc tagtaggatt ggaagacttc gcaacaactg 360  
caggcttttt agcttttctt 379

<210> 422  
<211> 296  
<212> DNA  
<213> Murine

<400> 422  
gaattcctga gagcaggtcc tgtagagcct ggcgagacgc attacactct gccacaatgc 60  
ctcccgacgg tcatcacgtg tgcaggatga gtcagccatc agggcagccc cactaataat 120  
gctttccagg cgctcctcca gggacggcct aaagcgctcc tyytgaagct caagkkgtcc 180  
acaatgattt gtttatcaaa gttgttgaga gcgtatccag ctctccgcca ctgccaccct 240  
ggtgctgggc agcatcatct gatgcagtmg cctgggctgc attagaaatt tcttgt 296

<210> 423  
<211> 296  
<212> DNA  
<213> Murine

<400> 423  
gaattcttca gaactaaaaa aaatatattca ttctattctg aataaaaaaac agaacagaca 60  
gaactcttgt aaattctgaa aacaatgtcg tcgctacgga aaatttcaca gaaatcatca 120  
gggggtgtgg ggaccaaggt gcctgccctg ccacgagcgc cacctatctg cagtcccaga 180  
ggaggctttt agggaccagc acaggtggtg gcagagcctg aatcaagctc aggacgcagc 240  
ttctacctgc tgcaccaaga cccggtggcc cagagggcag cctaggggtct ycagga 296

<210> 424  
<211> 299  
<212> DNA  
<213> Murine

<400> 424  
gaattcccat cagaaaaaaa aaaaaacttt gcagccagct ctacttgaaa gcatggagat 60  
gtgaataaag atgcctaggc ttgctagtgt gattagccat ctcttgacct ggaaataaga 120  
cccaaaaggc aaaacaagaa taaaacctga cagacacctc ctatttacat ccagctatgt 180  
acaattcaat aaattaaagt ttaactttct gagcagtcac attccacctc ttacaagag 240  
atatcaaata attacataaa tcctttgtcc aatgtcgtgt btckcttta ttattatct 299

<210> 425  
<211> 256  
<212> DNA  
<213> Murine

<400> 425  
gaattccgcg gcctgggcct agtggcttaa cagtagcgac agcagcagcg gcggcggcgg 60  
cggcagcsac ttcccggtgg gagcacaggc ccggaagccc gcacaggcga gtagagaaaa 120  
tggcagacga tattgatatt gaagccatgc ttgaggcccc ttacaagaag gtgagaaaaac 180  
acgctagtga ggctttaata tatttcttaa ttagcatta ttacagaaac twctgctgaa 240

atgtaaaacta accttc

256

<210> 426

<211> 238

<212> DNA

<213> Murine

<400> 426

gcgtaggcga	gcagcgcctg	cctgaagctg	cgggcattcc	cgatcagaaa	tgagcgccag	60
tcgtcgtcgg	ctctcggcac	cgaatgcgta	tgattctccg	ccagcatggc	ttcggccagt	120
gcgtcgagcd	gcbcccgtt	gttccctgaag	tgccagtaaa	gcbccggctg	ctgaaccccc	180
aaccgttcbc	cagtttgctg	tgtcagaccg	tctcccagacc	tcgttcaaca	gggccagg	238

<210> 427

<211> 348

<212> DNA

<213> Murine

<400> 427

gaattctttg	ctacaagctg	ggacagctgc	aagaggagtg	gcagagcagg	ctcccgttgt	60
ctctcaagtc	ttttccct	gactaattgg	aattcatagg	ggtaatttat	agaggggtgtg	120
ggaagtacat	tttgttgcaa	cctgacagtg	actgtgagtt	cctcattaac	caccatacat	180
gggctctgtt	ctaagctgc	tgttgatca	actgtctaata	tgtctaattt	gtctaattta	240
gtcttttagtg	ttcttgagg	atttaggtac	cagtgtacca	tttagcaaat	aagcaaactg	300
aggcacsaaa	ggttaagact	gcttaggaaa	ccataggcaa	tgagtggg		348

<210> 428

<211> 241

<212> DNA

<213> Murine

<400> 428

gaattcgctt	tttcttgtgt	gaacagtagt	ggtgaggcct	atgtttttat	gtggcttttag	60
agaaaacttc	agtcttcaaw	gaactcttct	aattagttcc	ttcttagaaa	aagttatgcg	120
ttaatttggt	tcaaatatt	taggcattct	ttgaattata	aacttgtgat	gcagggattt	180
atgaatgaga	cgttcacatg	tgaagatgac	ttcactawgc	atctgtgtaa	gcagaataag	240
a						241

<210> 429

<211> 329

<212> DNA

<213> Murine

<400> 429

gcgcggattc	tttatcactg	ataagttggg	ggacatatta	tgtttatcag	tgataaagtg	60
tcaagcatga	caaagttgca	gccgaataca	gtdatecgtg	ccgccctgga	cctggtgaac	120
saggtcggcg	tagacggtct	gacgacacgc	aaactggcgg	aacggttggg	ggttcagcag	180
ccggcgcttt	actggcactt	caggaaccag	cgggcgctgc	tcgacbcact	ggccgaagcc	240
atbctggcgg	agaatcatac	ccattcgggtg	ccgagagccg	acgacgactg	gcgcccattc	300
tgatcgggaa	ttcccccagc	tthaggcag				329

<210> 430

<211> 261

<212> DNA

<213> Murine



<400> 430  
gaattccgcg gcctgggcct agtggcttaa cagtagcgac agcagcagcg gcggcgcdg 60  
cggcagcsac ttcccgtggc gagcacaggc ccggaagccg cacaggcgag tagagaaaat 120  
ggcagacgat attgatattg aagccatggc ttgaggggcc cttacaagaa ggtgagaaaa 180  
acacgctagk gagctttaat atattttctta atttagcatt attcacgaaa cthctgctga 240  
aatgtaaact aaccttcccg g 261

<210> 431  
<211> 317  
<212> DNA  
<213> Murine

<400> 431  
gaattcggtta gcggcggcgg cgggaatcca gcggctggct ggctggcgac taggcctett 60  
gcagagaatc cggcggaat ctgagccatc cgagccgcca ccattgacggg gggcaagagc 120  
agcaagatgc tgcagcacat tgactacagg atgaggtgca tcctgcvgga cdgccgtatc 180  
ttcatcgga ccttcaaagc ctttgacaag cacatgaact tgatcctgtg tgactgtgat 240  
gagttcagga agatcaagcc aaagaactcc aaacaagcag aaaggaaga gaagcgagtc 300  
cttgggtctgg tgytcc 317

<210> 432  
<211> 358  
<212> DNA  
<213> Murine

<400> 432  
gaattcgggg gatatagctc agtgggttaag agcactgact gttctctaga ggtcctgagt 60  
tcaaattcca gcaactataa cagtgggttca cagccatctg taataggatc caatgcccg 120  
ttttggtgtg tctgaagaca gtgacagtgg actcatatac ataaaataat tcttaaaaga 180  
atgttaaaaa aaaagaacat ttatttttaa taaataaatc aaattaaaga attattttat 240  
cattattaac tgtgtatatg tgcacgtgaa tggagatgcc tataaaggct cattggaacc 300  
cgtggagcgg gagtcttaga caactgtgag ctgccatgta ggcactggga agtgaact 358

<210> 433  
<211> 280  
<212> DNA  
<213> Murine

<400> 433  
gaattccttt gaaacaaaac gacttattta cggttacttt ccttataaga aggaacagca 60  
gtctctaata atcaccataa agtgaagtgc tgtgtcccta attttctcca gtttcttcta 120  
ccctaagaca tgttttttgg agaccacaat gacttttgta ttttaaatg taagtgttcta 180  
ttcagataaa atgatccagt ttcaagacag gtgagaagcc ctatttaagt ccaatggctc 240  
acaatatgga ctgagaacag gagacatttt yccytycaaag 280

<210> 434  
<211> 252  
<212> DNA  
<213> Murine

<400> 434  
gaattcgctt tgtccccaca cacgacacac tgctcgtctt tgtccaggta actagggata 60  
tacctgaca tgcctgtttt caggggacat tggcgtttct ttctttttcg ctttccatct 120  
ggtgacctgg cactgttctc ctctgggtct gacccacact ccaccttgc ttgcttctgt 180  
tccattcact tcaattccat ccaggatgct ctccagcrgc ccaagagact ggggtgggca 240

cactggcccc cc

252

<210> 435  
<211> 392  
<212> DNA  
<213> Murine

<400> 435

gaattcctga	gcsgcacttc	atcgatgatg	tacagatgcc	cctgggtctg	gtgggtggctt	60
cctgcagcca	gacagtcacc	tgtatcccca	actgcacttg	gcgaaactat	aaggcggaag	120
tgcgtctcga	gccacgcccc	aagcccgcgg	tttcctcagc	accaccatcg	tctaccccaa	180
gtacccccaa	accgtctaca	ccaccactct	ggattacaac	tgccacaaga	agctgaggag	240
gtttctgtcc	agtgtggagc	caggccacgg	agttcctggg	cgcgatgggc	tagccgatga	300
atgttgactc	agctagcttg	aggttggacc	agctgttcat	acactgccct	gggtccccaga	360
ccacctgga	caagctgggt	agcattgctc	tt			392

<210> 436  
<211> 238  
<212> DNA  
<213> Murine

<400> 436

gcgtaggcga	gcagcgccctg	cctgaagctg	cgggcattcc	cgatcagaaa	tgagcgccag	60
tcgtcgctcg	ctctcggcac	cgaatgcgta	tgattctccg	ccagcatggc	ttcggccagt	120
gcgtcgagcd	gcbcccgcctt	gttcctgaag	tgccagtaaa	gcbccggctg	ctgaaccccc	180
aaccgttcbe	cagttttgctg	tgtcagaccg	tctcccagcc	tcgttcaaca	gggtccagg	238

<210> 437  
<211> 327  
<212> DNA  
<213> Murine

<400> 437

gaattctttc	aaagtatatata	aatagaaaaa	ccctaaattg	aactgaacag	gttattttaat	60
gagcagcagt	aatatatatata	tatatatatata	tacacataca	cacacacaca	cacacacata	120
cacacaaaca	cacaaaaata	cgacagaaga	aataacaaaa	acaaaaacca	ttataaaaagc	180
agtaatatata	gggaaaaaagt	ccaataagta	aatgtataag	caataagcac	ccaagaaatt	240
aaaaacactg	aaaaaacctc	tcagaaaagt	tctgtcgcgt	ttgtgaacct	tttttttttt	300
tttaatacaaa	tcgacaacaa	acattaa				327

<210> 438  
<211> 380  
<212> DNA  
<213> Murine

<400> 438

gaattcattt	tatctaggtg	gactctgaaa	aatgctgtag	attttctttt	tttttattaa	60
taacaacaac	aataatataa	aaagtcaaac	aaactgcaaa	cacacgtttt	ctcactcaga	120
aaacttttta	taattttacca	gaaagattgg	tgactctttc	caaagtgcta	aaaaagttgc	180
ccaattacat	taagcattac	taagtcattc	aaatacaggt	tcagtggcaa	gcaatgaaat	240
gcacggcatt	tgagcagtaa	gcgtctccgc	ccacctcccc	tctgcacggg	cccaccagaa	300
gacctcttat	tgacacaagt	acatgctgta	aaacctaggg	tcctcgtkgt	cagggacacc	360
cattcagggt	cttaacctgc					380

<210> 439

<211> 150  
 <212> DNA  
 <213> Murine

<400> 439  
 gaattcggaa aagtgtctta ccctagatgt ttagccatgg tcaaattaga cccctgactt 60  
 tctggaaaca aaatatgtag ttacctttta ctctgacat catctccac ctgcctaagg 120  
 tacttagtcc ttagttagac ggcctctatg 150

<210> 440  
 <211> 432  
 <212> DNA  
 <213> Murine

<400> 440  
 gaattcaaaag ggagaaaaac aaaagttcat gactgtgatg cccaacataa cagttctagg 60  
 gcaggtatgc cagggagccc ctcccatgcg ctgtctccca gctcccaccg ctgggcaagg 120  
 atcatttttaa ggatgggcag ttctggggcc acagcaccta gttttgcggt taaagggagt 180  
 ggggggaggg gtgaacagga agactgagga gggctcgggg catggtgaca aaaagagcta 240  
 ggctgcccta cccccaactc gattgtctaa cagataaaat gcctggccat aaatatgaac 300  
 actgattgac tggtgaggca gattggatct aaaacttgca ggsagaaca aaatkgctgt 360  
 gacaccctg aatttggtat catagtatct ggggtccatg tcctaactta ggagtggatt 420  
 ctgtctaaaa at 432

<210> 441  
 <211> 323  
 <212> DNA  
 <213> Murine

<400> 441  
 gaattctcga tctggaacca ccagccatgc ttccttaagg actgggaaat gcacgtccac 60  
 ttcaaagtcc atggcacagg gaagaagaac ctccacggag atggcattgc cttgtggtac 120  
 acccgagacc gcctcgtacc agggcctgtg tttggaagca aagacaactt ccatggtttg 180  
 gccatcttcc tgggacacgt atcccmatga tgaaccact grgcgtgtgt ccccgtagat 240  
 ctcggtgatg gtgaacaawg gctctcctgt cgtacgatca tagcaaagat ggacgatgga 300  
 gtgagttggc aggctgcacg ctg 323

<210> 442  
 <211> 412  
 <212> DNA  
 <213> Murine

<400> 442  
 gaattctttg caaccaacat gaaataaaaa aaaaaaaaaat ctgtaagctt aaagtttaat 60  
 gtggtaagca cagcatggct gaagaacacc aactctccct ccatgggtgt cattgcctgt 120  
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 tggaaggttt aaaatttgat ataagataaa aaatggaaac ttttattaaa ataagtactt 360  
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ccaggtcatt tctaggactt ggaggatttc ctgtaaatct actaaattag cacatcaatt 180  
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gccagcttgc tttgtgggat actatctcta cattcccagt gcaaggatta cacttgggct 240  
acatatccac ccatttttaa gggctctgaat ctgggttttca ttgtctgcta gtgctttatc 300  
tattggacta gctcccagc cacacagtaa ggcatacttt aaaaggctat cacacctgtg 360  
atctaattct gatttcacag gctaagaagc tattaatatcc aagggaacct gaactagttw 420  
aacaaaaatg gct 444

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tcagatccgg gcagggcagt gacatcaact aacacgggtg tttcttaca gagcaacagg 180  
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taacaagaaa gggcaatcct tctgtaaacg ttctctgctc aaggtaacaa acatgccctt 360  
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gatctctaga agccccaaat ttctaattcc caggacttcc ctaccaagt aacagaatct 180  
tcaaatcccc agggaatcca aacttaagac cccaatccca agctcaggaa acccaactac 240  
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gactaccagg caccagg 317

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<211> 290  
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<213> Murine

<400> 447

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tcagaaatcc	tctgcctct	gcctcccaag	tactgggatt	aaaggatagt	gctgccaccg	180
ctcagcattt	wcgtatatc	ttattcttca	aaactaatct	ctacagtcaa	tttagcaagc	240
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<210> 448

<211> 396

<212> DNA

<213> Murine

<400> 448

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ccttgccctag	ccacaccccc	acgggactca	gcagtataa	atattaagca	ataaacgaaa	180
gtttgactaa	gtttatactc	ttagggttgg	ttaaatttcgt	gccagccacc	gcggtcatac	240
gattaaccca	aactaattat	cttcggcgta	aaacgtgtca	actataaata	aataaataga	300
attaaaatcc	aacttatatg	tgaaaattca	ttgttaggac	ctaavvcaat	aacgaaagta	360
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<210> 449

<211> 373

<212> DNA

<213> Murine

<400> 449

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tttctgaaca	gcccgtcagg	cttcttagtg	tgcttttgct	caaagacttc	ctcatcctcc	180
agtgaagtc	tggcgtagtg	gccagtgcca	acggcatctg	ctccaagatt	gtccacagca	240
tagtgataaa	agcaactgaa	cttgatatgc	ttattgcagt	tgatgtcggg	gtttgagtcc	300
ttctttctca	taccgktcaa	aaagtcactg	aacacatcat	tccaatactc	cttcacatag	360
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<210> 450

<211> 420

<212> DNA

<213> Murine

<400> 450

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ggggcaggcc	cctgctgccc	ggaagctccc	gcgtgcatcc	cgggatgacc	agactcccgg	180
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gcgctgcct	gcatgtctct	tcttgctcgt	ggagcctgga	gccttgctct	ctgggcacag	300
agggtctcgc	tctcctgcct	gctgggacct	gtggatgggc	ttcctggcca	aggccccctc	360
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<210> 451

<211> 405

<212> DNA

<213> Murine

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1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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tagagtcttc aatttttgggt acatcaagac ttttaaagta gaatttacgt agtaacagaa 180  
gagaaaaatc tgggaccttg aaaacagtac atttcacctc ctttgggsta aaagtcacct 240  
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<210> 456  
<211> 391  
<212> DNA  
<213> Murine

<400> 456  
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tcttactgga tattgtgact gagggctgtc ggtgtgtgta cagargcccg gtgatgcttc 360  
ctgaaaatgt gctaaatctg gtctcttccc c 391

<210> 457  
<211> 308  
<212> DNA  
<213> Murine

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ctggcggggt ggacgtaggg tgggcagaac caggaagccc atgacttcgt ccatgctgcc 180  
tcccttctcc cctccttacc cagggtcctg catccttcag scccctatgt ggctgccttg 240  
cacccttgcc tgtcccaccc ggatgccatg cacctgtccc cgtcactkgt tccctgcttg 300  
gactgcag 308

<210> 458  
<211> 206  
<212> DNA  
<213> Murine

<400> 458  
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ggatactgag ggtctcagaa acaaggccgg ggaggaagggt ggcagctcgg ttgaaggcca 120  
tgaagaaagc catttgcca catgtagtaa gtctcgtcat gctgctgcct ctctcccgaa 180  
gcagatgatc cttgaccgcc ccatga 206

<210> 459  
<211> 383  
<212> DNA  
<213> Murine

<400> 459  
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gggagatgct	tttttaggat	cctttccagg	gccctggaa	gaaatcaact	ctgctgaccc	120
cttgacataa	gacttcagag	cagtgaatag	tctctgctct	tttagacatc	tgggtctgggg	180
tcctatatatta	gggtagctcc	agcaaaacttg	taacttccct	gagcaagtgg	ttggcacaga	240
cctgttatttt	acttaatgca	tagttccctt	tgtccctata	ttacatttac	tacagtctca	300
catactacac	tttaccatt	attcatgagg	gtaaacttga	tgatcactgt	ttattcagca	360
cctagacaga	gttggggatc	tgc				383

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 <212> DNA  
 <213> Murine

<400> 460						
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ctggactatt	aggaacctgt	tgtagaaacc	caggagaaca	tagaagacaa	ataagggaaa	120
gtttgggggg	atgaaagaat	aggggggggtg	gcaaagatag	ctccatgttc	cttgcctctga	180
gaacctgagg	atagaagttg	ccattcattg	tcgttgaaag	atggaaagga	twaaataagg	240
gaaatgtcca	gatctgtttg	ggagcctgtt	gaacatgagg	aaaccaaggt	ggggtgttca	300
gccctggatg	atcgtaggag	tctc				324

<210> 461  
 <211> 296  
 <212> DNA  
 <213> Murine

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cgccctcgct	cgccatggag	aagaccgagc	tgatccagaa	ggccaagctg	gccgagcagg	120
ccgagcgcta	cgacgacatg	gccacctgca	tgaaagccgt	gacggagcaa	ggcgccgagc	180
tgtccaacga	ggagccaacc	tgctgtcggt	ggsctacaaa	acgtkgtagg	ggggccgcag	240
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<400> 462						
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tgagacgctg	aggttcactg	ttggcagttt	ccagtggccg	catgtgctgc	tcagaaaggc	120
cagcggcaga	cagctgcccg	gaagaacttt	cactgctgga	aaactgbtcg	ctcccaagga	180
aagccaagg	aaggctgggg	ccgtggstca				210

<210> 463  
 <211> 303  
 <212> DNA  
 <213> Murine

<400> 463						
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gtctgcatgc	tcattcagtt	ccttcatggc	cagcatactg	ttataaggcg	aggtgatggc	120
atcgtcttca	ctggaaggat	aaaccgctgt	cacaaaccgg	tacacttctg	ggaattcatc	180
ttcaagaacc	tttaacagaa	atgtgccaa	cccagagcct	gttcctccgc	ccatggggagt	240
ggatgatgaa	gaagcactgt	aagcaatcgc	actgctctgc	cgacttccgc	agtttctcta	300
aaa						303



<210> 464  
 <211> 511  
 <212> DNA  
 <213> Murine

<400> 464  
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 ctactgactt gacctcacca gtctcagtta tagacacttc cataagacgg gtgactgagt 180  
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 gatcacaagg tattcaactg gcaccacaga cccaacscc agcttatcta ctaggggggg 480  
 tgaaagtcag gghggccact gggghaactgg g 511

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 <211> 269  
 <212> DNA  
 <213> Murine

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 catgaagacc tgaatttgaa ttttcagaac ctatgtaaaa gctggaggaa tcgtgtgagt 180  
 atatgtaatc ccagcacccc tatggggtaa atgggaaatg ggacaggaag attctgggag 240  
 ctagagagtc atctagctgr gcataccac 269

<210> 466  
 <211> 226  
 <212> DNA  
 <213> Murine

<400> 466  
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 ttctgattaa aaacaaaaac aatcaaataa aaaacaaaat kgaacaacaa ccttagtgta 120  
 tggcatgaga atgtgaaaac actagagatg atcaggggga tcttcaaatt gaggcagaca 180  
 gccagtttct gaagagaatt gcagtagctc ggaaagccag tcaccg 226

<210> 467  
 <211> 220  
 <212> DNA  
 <213> Murine

<400> 467  
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 tgttttacca attgcagtta gtaaacaact agtctaggca tttatgtgct acatgaatat 120  
 aaccaaactg gagaaaatag aaactgcaat ttttgagaac tatttttttt taaattccat 180  
 aggcaggctt ttaaaaataaa aacaagtggg tcactttgac 220

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 <211> 344  
 <212> DNA  
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<400> 468						
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agagtcacat	gtaaatttta	aagctcaaaa	aaataaacta	gtaaactccat	gaaaaaaatg	120
agtgccttgg	gggtggggta	ggggataaga	aagaaaatca	gtgagggggcg	aatgcccaat	180
tatcacttag	catctcttaa	ataattttcca	ctggagggcag	ggatatctttt	ccaaagagat	240
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<210> 469  
<211> 66  
<212> DNA  
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<400> 469
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ttcttc 66

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<210> 470  
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<213> Murine

<400> 470  
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<210> 471  
<211> 101  
<212> DNA  
<213> Murine

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      <400> 471
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gsaawttttt	catctatgtc	ttcagtgaga	gagtcaccta	gatcagacgt	gggsagagga	180
accgcagaacc	aacqagckty	atgttggcct	cat			213

<210>	473
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<213>	Murine

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gaaacatt	gccctct	ctatttc	tgaaagatt	gctagggt	attagggt	120
gggatag	atttctg	ggggsc	acctcm	gac	ttaaaaa	180
atgctt					atg	188

<210> 474  
 <211> 184  
 <212> DNA  
 <213> Murine

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 tgagacaggg tctctcacta tacctgatgc gatagccagc aaactccagt aaccctacac 180  
 ccag 184

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<400> 475  
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 tctatagaaa ctgtgattg 319

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 <213> Murine

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 tcggcaaatt tcttgacagaa gagctgggtc accatcttcc tcagtttggt gatvcgagcg 180  
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 tcaaggcgag gaattccgta cgtcgacgcc ttctaaaagg aatcccttya ggaagyyctt 360  
 ctacgtaaaag atcttcaaca tgggactgga aaagagggtg c 401

<210> 477  
 <211> 385  
 <212> DNA  
 <213> Murine

<400> 477  
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 cagaaattac tccaccccat aaatgcagca aaaaatcata tgatctattt taccagttac 180  
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 aagccagtct ggtctacata gcaagtctgc cccaactcaa tgcattacaa aatgaccccc 300  
 ctccccgacc tctcaaaaaca aaacaaaaca cacaamacac aaagcccama caactcatta 360  
 gtaaaacaat ttgataattt atatt 385

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 <211> 391  
 <212> DNA

<213> Murine

<400> 478

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cgtaaagga	tttaaagtgg	actcattcca	attacagggc	ctcgaaagag	tcctgtatwg	300
taahhhaagt	cactacctcc	ccgggtcggg	agtgggtaat	ttgagmgcct	gcgccttcct	360
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<210> 479

<211> 443

<212> DNA

<213> Murine

<400> 479

gaattccaca	tctcaagaaa	ctcaaagaat	catactgtca	aagacagggg	gttccaatga	60
attcactcag	gtttctcttt	gaaggtcaga	gaattgctga	taatcatact	ccgaaagaac	120
tgggaatgga	ggaagaagat	gtgattgaag	tttatcagga	acaaacgggg	ggctactcga	180
cggtttagat	aattcttttt	attttttatt	tttccttccc	ctcaatcctt	ttttattttt	240
aaaaatagtt	cttttgtaat	gtgggtgttc	aaatgaaaat	tgaatactgg	cactccatct	300
cttagaacat	atgaattcta	gtgttcaata	ttcattattg	gttggttttg	ttgtgctgat	360
ttttvgtgat	cagacctcag	ccccttaata	ctgccctttt	gccctttaag	agatttcatg	420
tgtgcacaga	gaggccaccc	ttt				443

<210> 480

<211> 382

<212> DNA

<213> Murine

<400> 480

gaattcgatt	cacagttgcc	ccagagcaga	gtgtgccctt	ccacaaagcc	ctagaggact	60
ggcagtatga	catgatgcc	ggatgaagct	gtgatgtgga	cgagaagata	gaccggctgg	120
agtgaggag	ggaacctcag	cttggtcagg	ccttgcaagt	gagggcagac	ggacaggggtg	180
acctggctac	tagactaggg	tggcatttct	tctgaatgat	ccctgtgcct	ccccagagaa	240
aggtgggaga	aataaaggac	aggggtggga	ggcaagggag	gtgacagagc	cagctccggt	300
atctccccag	gcctccacag	caggggtatc	tgtcagttcc	atgcacccca	gatctggggc	360
caadcctgag	ggtccccacc	ct				382

<210> 481

<211> 521

<212> DNA

<213> Murine

<400> 481

gaattcaaag	cagctatggg	cagcagcctc	ctactagtta	ccccctcag	actggatcct	60
acagccaggc	tccaagtcaa	tatagccaac	agagcagcag	ctacgggcag	cagagttcat	120
tccgacagga	ccaccccagt	agcatgggtg	tttatgggca	ggagtctgga	ggattttccg	180
gaccaggaga	gaaccggagc	ttgagtggcc	ctgataaccg	gggcagggga	agagggggat	240
ttgatcgtgg	agggatgagc	agaggtgggc	ggggaggagg	accgtggact	sgggtaagag	300
caaaaccttt	ctccttttat	ctaattttgt	ttcatccata	ggattttcaa	tggaaagaag	360
ggactgaaag	acataagaaa	tttatcccac	ttttcatgga	caatctattc	sdcaagctat	420
ctcctaaaac	atggaaatgt	catttaagtg	cagtttgctt	ttttccctgc	cagtaaccat	480
tgttgggctg	ggtgaacaaa	gaatgctttg	aaactagagc	t		521

<210> 482  
 <211> 347  
 <212> DNA  
 <213> Murine

<400> 482  
 gaattcgttt atattcttat cctcccagga tttggaatta tttcacatgt agttacttac 60  
 tactccggaa aaaaagaacc tttcggctat ataggaatag tatgagcaat aatgtctatt 120  
 ggctttctag gctttattgt atgagccac cacatattca cagtaggatt agatgtagac 180  
 acacgatctt actttacatc agccactata attatcgcaa ttcctaccgg tgtcaaagta 240  
 tttagctgac ttgcaaccct acacggaggt aatattaaat gatctccagc tatactatga 300  
 gccttaggct ttattttctt atttacagtt ggtggctcta tggaggt 347

<210> 483  
 <211> 343  
 <212> DNA  
 <213> Murine

<400> 483  
 gaattcatcg ggaatagtgg gtactgcact aagtatttta attcgagcag aattaggtca 60  
 accaggtgcc ttttaggaga tgaccaaatt tacaatgtta tcgtaactgc ccatgctttt 120  
 gttataatatt tcttcatagt aataccaata ataattggag gctttggaaa ctgacttgctc 180  
 ccactaataa tcggagcccc agatatagca ttcccacgaa taaataatat aagtttttga 240  
 ctccctaccac catcatttct ccttctccta gcacatcga tagtagaagc aggagcagga 300  
 acghtgaaca gtctaccac ctcthgccgg aaatctagcc cat 343

<210> 484  
 <211> 386  
 <212> DNA  
 <213> Murine

<400> 484  
 gaattcgttt tgggatagca tttgaaatgt aaatgaagaa aatacctaatt taaaaaaaaa 60  
 ctttaaaaaa taaaaaaaaa aaggaatgtg tgctggctgg gtgggtgagt gatgctgggt 120  
 gggtgggtgg ggtccacacc tctaatecca gcttcgggta gaggtgggca gatctctgag 180  
 ttccaggcca gactggtcta tagagccagc tgcagaacaa ccaggactac acagagaaac 240  
 actgtctcaa aaaacaacaa caaatgtat gtctagcctc tthgccaact ctgtactctt 300  
 aactgtttga taaactgagt catagaagaa gcygtgaaat ctataatgcb acactatgaa 360  
 aggaccaggr aagcgccagt ctgcct 386

<210> 485  
 <211> 518  
 <212> DNA  
 <213> Murine

<400> 485  
 gaattcctta tgaaatatc tgcatactta aatgaagctg gactacagtg ttctacgata 60  
 tcacgaaga tgcacaatcc ccattgtctg tctggccatg gtctttgagg acaaatcagg 120  
 ttgacaatta atgggagcag ctgttcaaac cagggaaca ccttttcttt gtagctactg 180  
 aatattgagt gtaaaatata cgacacttta gtcagtatat aaacatcatt atcatcctca 240  
 tcttgtagtg actcttcaac ctgctcgtca tagtcttcat cttgtctttt aacttgccgc 300  
 aactcctgat ttttgaaatg tkcttcaagc ttgccttca ggatgcctcc cagctcctca 360  
 aagtgtcat tgttgaggca cccgtctccc atgacctcaa tgcactttgc aaaggaatgc 420  
 atgatctccg agaggacatc tgagtcgggc tctgtgccga tggccttgat gagagcmcgc 480  
 acatgaagtg ccacatctgt gtaaggtacc sggacccc 518

<210> 486  
 <211> 528  
 <212> DNA  
 <213> Murine

<400> 486

gaattccccg	gctcgcagcag	ccgcttttttt	ttttttwmwc	tttttagtgga	cctgagagtt	60
aaatcaagg	ccttgtgcat	gctcacagta	caccctactg	ctgagctata	tctccagacc	120
cagaatctat	ttagtttata	aataacttcc	taatgcctgt	ctaataatgc	atatcttaaa	180
taagtaaata	tgtaaataa	aacagtattc	atttttagttt	taagtaatag	gctatcttga	240
atttttagtt	taaggtaaata	caaataaaaat	taagactata	aatgaatcct	acttctatta	300
tttatcatat	tgatatattga	cttatgcttt	tatatatttaa	cattggcatt	caagtcatat	360
gaatcatgta	aaattggcgtg	cttttaacta	ttgtagtttg	ttatttgagt	ggtattctat	420
gttgcttaga	ttttaactgt	gccatgtgtt	ttatagttta	tatggtttta	tcctgattat	480
ctttttgtaa	atgtgggagc	taagaactta	aagaattttg	aaaatcga		528

<210> 487  
 <211> 396  
 <212> DNA  
 <213> Murine

<400> 487

gaattactga	tttgtgttgc	tttaacaaca	gcagactcat	acatctcctt	tttagtrggc	60
tgaaccctgt	atctgaataa	taagggatcg	attgcatctt	tcttcttccc	atgggtgaaa	120
gactgctttg	tgtttccgag	tcgtcactgt	ccctgatgac	aatcgtctct	ccatcagcac	180
tgctcaggtg	thcgttagca	aaaccattct	gatgtaatgg	aggaggact	tccaagattc	240
tacactgcwg	ccttgtgcc	ttgtttccga	atgacttcca	cagtctcttc	aacaaaatat	300
cggtccttga	cataggcaaa	gatatcatca	cagatttcat	gcaadcgtga	acacgagtaa	360
ggttggtcag	gtataaaacg	gaataattag	tggttc			396

<210> 488  
 <211> 388  
 <212> DNA  
 <213> Murine

<400> 488

gaattcttta	cagatgattg	tgaacaacca	tgtgcttggt	aggaatagaa	ctcaggactt	60
ctgaaagagc	agtcagtgcg	accatctctc	cagccatggt	ttacctgttt	ataaagtggg	120
gctgtgtatt	tagaagggtg	aacacagtag	agagagtatg	tttctgcgtc	ctgggcattt	180
gtgaactaga	tgcccagcgg	ctggtcctcc	tccatccctc	ccttcctggt	tcagtcaatt	240
ctagtgtaga	tggtattttt	aagtcctatg	ttttatgttt	tctgggtaat	ggttatcctt	300
cagatggtaa	ttcttaccct	tgtattttggg	cagagcaaaa	aggctttggc	tctagactgg	360
ccagcagttt	acctggataa	rggtactt				388

<210> 489  
 <211> 420  
 <212> DNA  
 <213> Murine

<400> 489

gaattcttgg	ggttagtgag	gtcaacttcc	tcggagtcgt	agtctgagag	gatccacggg	60
aagacagggt	actgcatgag	gtcattgtaa	gatctgcctg	ccagcgtggt	caagtgcac	120
aaatactgga	agttgctgat	ttcacctctc	tcccatctct	gagtcacaga	cttctctcca	180
accagagtgc	tgagtaaccc	agacccttgt	tccacactgg	tgtttggtct	ctgtccggac	240
acagactccg	agctgtccgt	gagagagggc	acaactgcc	ggaacctttg	gtagacttta	300

ttccgaatdc	ccttttgaaa	agccaggagg	tagttccgtc	catctccaga	gaaaacttca	360
acagcgatag	gctggaggag	atatctcctt	ttatgcacct	ccttgatgtc	ttcatatgca	420

<210> 490  
 <211> 367  
 <212> DNA  
 <213> Murine

<400> 490						
gaattctttt	tttttaaaaa	tgacaataca	aaagtacctt	tacacaattt	ataaaagcat	60
aattgatgat	aaagcaagta	ggagtctcac	agtcaagtgg	cacgggggct	ggggccatga	120
gcagtccttg	aacaccagct	tggatgtcta	agttcccagt	gctgcctgcc	cccgctmctct	180
agtttacagt	gaaaaggccc	atattccagg	ccttggtggt	tcttttttta	aaccttttaa	240
aacttgacat	tacttctcat	gaaaaaataa	tgaaataacc	ctcccaaacm	actgacaaaa	300
atmattaaaa	wwtgaccctt	ttthamcaca	acacaagcrg	atcaaaamca	aagggtccaa	360
aggattg						367

<210> 491  
 <211> 271  
 <212> DNA  
 <213> Murine

<400> 491						
gaattccccg	gctcgagcgg	cccccttttt	tttttttttt	taaatttttg	gtttttcgag	60
acagggtttc	tctttatagc	cctggctgtc	ctggaactca	ctctgtagac	caggctggcc	120
ttgaactcag	aaatccacct	gcctctgcct	cctgagtgtc	gggattaaag	gagtgcgcca	180
ccacgcccag	cttatgggac	ccccctttca	ttgtagtctg	gggtacaagt	acagaagccc	240
ttgaggggct	ctgaacctgt	actgccccca	g			271

<210> 492  
 <211> 378  
 <212> DNA  
 <213> Murine

<400> 492						
gaattcgcac	agagcatctg	tacatccctc	agaactcaga	gtgaacatgc	tcagaatctg	60
gctctgacgg	gtgatttgaa	gaatctgtgt	ttgaagcact	tgactcatca	actgggtcaa	120
atggctcgaa	gtttgcatat	gtcacctctt	gggctagtgt	ctctagggaa	ggcgggccta	180
atagcaggtt	tcggagttaa	attcgagtca	tcaggaagct	gcgtcgaaag	acgtagagct	240
ttcgcagcac	gaagcggaga	aatcgctcat	ggaaagggct	atttcgcctg	cgttcaattt	300
cttgagagctt	cctctgtcgt	ctgagaaaag	tttgaccag	aagtgttggc	tcaggggccc	360
ttttcttccc	ttccaaag					378

<210> 493  
 <211> 459  
 <212> DNA  
 <213> Murine

<400> 493						
gaattccctt	tactcatatt	tatctcctta	tttttaagag	atttgttttc	ttttaaaaaat	60
ctgtgtgtgt	ctgtgtgtgt	ggagtgtgtc	agaaaaggcc	agaagagggt	gtcaggtccc	120
ctggggctgg	agttactggc	tgaggtgagc	tgccctcaaac	agggctggga	actgaactca	180
ggttgtctgc	agaaacagaa	agtgtctcta	actactgagc	cacctctttr	gccctctgcc	240
aatgttttagt	ctaaccacta	tttctaagct	tctggttctc	tgtgtacagc	acaggaataa	300
aaacaacatc	taaggctggr	aaartggcac	dcacctttaa	tccagcactt	gagaggcaga	360

ggcaggggga	tcgaggccag	cctggtctac	agagtagtcc	aggacagcca	tgtagaaaaa	420
ctaataatga	taacaacaac	aacaaccacc	accaaacc			459

<210> 494  
 <211> 135  
 <212> DNA  
 <213> Murine

<400> 494						
gaatwctgt	mgtggtctcc	gaacdgcctg	gaagcdccgc	agtcaccgac	gggaccagaa	60
gtggcatgac	aaacagtaca	agaaarvca	cttgggcaca	gcctgaaggc	caatcgtttg	120
ggggttctca	tgcaa					135

<210> 495  
 <211> 326  
 <212> DNA  
 <213> Murine

<400> 495						
gaattacttt	gatgataatc	cacacaatat	tgatgtgaat	aaattaaagg	tgtaatttc	60
caaagtataa	ttacaaaaat	aaaagtaaca	gactggaaga	gtattattta	atggctacc	120
aaagatctat	aagcaagagt	tttggggaag	aaataacact	atcttgatt	tcactatatt	180
catttttaaac	taaagcttgt	aatctctatt	tttaaaatca	cattatatca	ctttcttttt	240
tttttttttt	gggttttwtg	tttttttttc	gagacaagg	tttctctgta	tagccctggc	300
tgtcctggaa	tcactttgta	gatcag				326

<210> 496  
 <211> 247  
 <212> DNA  
 <213> Murine

<400> 496						
gaattcctga	ggagtccttg	ggtcaatggc	agcagaggag	ctgcggcccc	agatcacagt	60
atggcactca	cacattttca	agccagaact	gaacagagga	gttcgtaact	cggtttatcc	120
aggcgatatt	ttggctatat	tcagtgtgga	tagcgatgct	tcagagcaaa	cacaaatcta	180
tgagaagtca	gaggtagctt	ttatcatctg	tctaaaagg	ttaaagaaac	caccttctgt	240
atgtgat						247

<210> 497  
 <211> 302  
 <212> DNA  
 <213> Murine

<400> 497						
gaattcgatg	tgtgtcctac	atgctggtgg	ttttaccctt	acctgctgcc	catgctcttt	60
cctgcttctc	ggtaaggccg	agcaacaagg	gtttacagga	aaccgagatt	cttcccagg	120
ctctcttg	ctcctagtga	gggactcagt	gagcgggagc	ccttggaata	gaagacggca	180
gagctgaagt	gaaaagcagt	ctcttcagga	gggatgttcc	ctcaccctt	cacagcacca	240
aagtttcttt	gcaaaatagg	gtctgagcta	caaaaggagg	gcagatgtgc	ttgtgaatgc	300
at						302

<210> 498  
 <211> 310  
 <212> DNA  
 <213> Murine







<211> 240  
 <212> DNA  
 <213> Murine

<400> 506  
 gaattcggca gcatcatccc tcctgaggct tccgttgaca atctgcccag tcaactgggtg 60  
 gattagacca gcttgcagaa ttccagacaa gtccataccg agagctcctt gaagtgaact 120  
 gatagcacca atcttagggg ygcdggcact cactgggaaa ggagatgtgg ctccctggaga 180  
 cccctctgag gagcaggaga ggtctatagc tgactcccca tgccagccat tgaggacaat 240

<210> 507  
 <211> 136  
 <212> DNA  
 <213> Murine

<400> 507  
 gaattcgttt tttgagacag ggtttttctg tatagctctg gctgtcctgg aactcacttt 60  
 gtagaccaga ctggcctcga attcagaaat ccgcccgcct ctgtctcctg agtgctgaga 120  
 ttaaaggcgt gcacca 136

<210> 508  
 <211> 267  
 <212> DNA  
 <213> Murine

<400> 508  
 gaattcggcg ccgtagccat catgaatgac acagtaacca tccggaccag gaagttcatg 60  
 accaaccgtc tgcttcagag gaaacagatg gtcattgatg tccttcatcc tgggaaggca 120  
 acagtaccaa agacagaaat tcgggaaaag ctggccaaaa tgtacaaaac cacaccagat 180  
 gtcattcttg tatttggatt cagaaccacac ttcggtggtg gcaagaccac tggcttkggc 240  
 atgatctatg atyctttaga ttatgca 267

<210> 509  
 <211> 386  
 <212> DNA  
 <213> Murine

<400> 509  
 gaattcgtgg ttgtgagcca ccatgtggtt gctgggatcc gaactcagga cctttggaag 60  
 agcagtcagt gctcttaacc gctgagccat ctcaccagcc cctacttgtc agatctttgg 120  
 aaataaaaact ctctacttat ccctgaggcc attaggtttg ccagccagtg gctataacctg 180  
 acaagccaca gcatgggtccc ttatataaca tgaaagtggg aacaaataat gagactacta 240  
 aagggaggaa caagataggg caatgggtggc aggaaacaaa attgttccat tctctctcac 300  
 aagggcaatc taggtttaaa aacagtgagt atttgtgtga aacaaaaact bgagagaaga 360  
 aggggggtcag tgagagagga aagaga 386

<210> 510  
 <211> 447  
 <212> DNA  
 <213> Murine

<400> 510  
 gaattcgttc cttcttccac ataccgtcca aaaagaacat gcatgggtccc cagaccagaa 60  
 gtaacaacac tgcctaaaaa cttgctagaa aaggacaatg accccacccc agatctacag 120  
 aatgagaaac tgtctgggtt ttaacagacc agataagtgt gctttaacaa gcttgagaac 180

ctgaagcaca	ccatcctttt	cagccgagaa	gccacgaggg	ggagtacaac	ttaacagcca	240
tgggtatctg	ttatgccaa	gtcaaaggta	gcacccctctg	aggagaactcc	agggagtact	300
gggaacmaca	ctcagaggag	aatwaccac	cacagagcag	gagggagaaa	gagaagtagt	360
gtattaggac	accaaagaga	tagagtctcc	caggattgat	gctggcttag	aagccagagc	420
aaaagatatc	cmgtgtgtt	atctttc				447

<210> 511  
 <211> 319  
 <212> DNA  
 <213> Murine

<400> 511						
gaattccata	aacccaaatc	tctgcccagg	gtgatgggta	caggcaaccc	ctcttttggtc	60
tccacctaac	agcccctttc	tcctgcagta	tgaagcacat	ctcctgtcct	ctgctcatct	120
tgcctgccga	ggatgatcca	gttggtgccct	ttcatctcgg	tagaaagcta	tacaacattg	180
ctgcaccatc	tcggagtttc	cgagacttca	aagtccagtt	tatccccttt	cactcagacc	240
ttggctacag	acataaatac	atctacaaga	gccagagct	tccaaggata	ctgaggggaat	300
tcctagggaa	gtcgaaccc					319

<210> 512  
 <211> 281  
 <212> DNA  
 <213> Murine

<400> 512						
gaattctcgc	attcctcctc	ctccgctcgc	tcttccacct	ccatctcctc	ctgctctgcc	60
cgttccacgt	cgtggatgcc	caccaggaga	ctgtaatcca	tgatcttcag	ctgggccagg	120
aactcaacgt	cccgcctcag	tttttccagg	aagttctttt	tgctctcttc	tcccacgtgc	180
agcttctgcc	ctthgttgag	gaagtcatta	tctttgaaag	ttggcaagtc	cttagccttt	240
hhcttgtcac	hgcttctctg	gcaacagtgg	aacccttcag	g		281

<210> 513  
 <211> 301  
 <212> DNA  
 <213> Murine

<400> 513						
gaattccttt	tcttttttct	ttttcttctc	tctaattctc	ccccaggtat	tcctacctga	60
ccttaacttt	tcctcggggt	caagaccctt	ggaaaggcct	gtatacttac	cgtttctcct	120
tgctcctact	ctctctcccc	gctttacthc	ygatagactg	tcctgaattt	cctctagaat	180
tttcagccct	atcttaagca	ctatataaca	wgtgaaaagg	racaaaaggg	cktctaacac	240
tagaaaaatt	taaggccaaa	cataacttgt	aaagccattt	tcacttttac	ttctgataga	300
c						301

<210> 514  
 <211> 391  
 <212> DNA  
 <213> Murine

<400> 514						
gaattccttt	cttctcttct	tccttctctc	tggecttctc	cttcttctct	cttttcccc	60
tcctctctct	cttctcttag	ctcaggagac	ttcacgggag	acttttctgc	ttctgggttc	120
tcctctcttt	ctcggcctct	tccttctctc	ctttggcgga	ggctgccaac	tcctctgcga	180
tggtgtgtg	ggtttcttcc	atttctgact	tctcatcttc	cmcttttagt	ttctcgatga	240
tctctctcac	aaatttgtgt	tggaccttga	gcttgggggc	ctcgactttg	gtcttctgaa	300

tcttactgga	tattgtgact	gagggctgtc	ggtgtgtgta	cagargcccg	gtgatgcttc	360
ctgaaaaatgt	gctaaatctg	gtctcttccc	c			391

<210> 515  
 <211> 246  
 <212> DNA  
 <213> Murine

<400> 515						
gaattcccg	ctcgagcggc	cccttttttt	tgggggggag	acggggggctc	aggggtgtgaa	60
catgaggtga	gacctggcat	ggcagggctg	agtcgtgcct	gctgtcagcc	cctctctgtc	120
cttcccagag	ctgagggggr	actcaagctc	ccttccccag	cagagcccac	ccaccacccc	180
hgccttcaaa	gccccctttg	gagagttaac	tgtecggtgtg	aggcgctcac	tcaaccaata	240
agcccc						246

<210> 516  
 <211> 439  
 <212> DNA  
 <213> Murine

<400> 516						
gaattcgtat	ttaaaatgac	cacttcaatg	caggaacctg	ccgtgccagg	cacttagcat	60
gctgggcatt	tggctctcag	cttgtccaga	cgctacagca	gcagcagcac	aagtctcagg	120
atcatcatga	ggctgagtca	caggaagagg	aagacagagg	gacagtcacg	ctgatggaca	180
ggcctgctgt	gtactgccct	gtcatgtccc	tgtgctgtgg	gctctgaggg	ctctgtcacm	240
gcccttctca	gaggaagcaa	gggggactca	ttttactgtg	tcccaacttc	ccagatgcaa	300
cttgaaaata	ttcccttaar	vvtgcaacta	gaccagcagg	cattactttc	ttggacctct	360
taaatctcac	amccattatg	gtggccagga	agaaactgta	aacaatgaca	ctttgacatc	420
ccgttgtcat	tggagacac					439

<210> 517  
 <211> 415  
 <212> DNA  
 <213> Murine

<400> 517						
gaattcgtaa	tccactaata	tttatgggtg	ttatcacaag	tataacaata	agatgggtcaa	60
ctacaaaaaa	caataaaaaca	gttgcccaaa	tagcagcgta	cccctacgtt	agcacagcca	120
ggtataaaga	tccgtagcca	caccaaactc	tacaactgac	tgttaagtgg	cataacagta	180
aatagaggaa	caacccatgt	tcagggatta	gtgagagggt	ccagatgtta	gaagctgcrc	240
ctcctcccca	ctccttgtac	tcactccatc	acttaatgca	actaaagcgt	gttcttcttt	300
ccttttchct	cctatctgac	aatgtatgct	gatattaatt	tgaagvcaat	agccccaact	360
gccttgaaaa	caaagaagta	ttatgagttg	tttgaacaca	tgggkattaa	aaaac	415

<210> 518  
 <211> 61  
 <212> DNA  
 <213> Murine

<400> 518						
gaattcgcgc	gctgtcttcc	cgctcgcgtc	agggacctgc	ccgactcagc	ggccgccatg	60
g						61

<210> 519  
 <211> 393

<212> DNA  
<213> Murine

<400> 519

gaattcttct	cgcggtgcgc	tcacaataca	gtccccctc	cacgaagaag	tagcctttct	60
gcttgagggt	gaggttacag	tgggcacaca	caaagcactc	ggggtgccgg	tacttatccc	120
gggccttgac	gacagcacct	acaataccac	ttccacactt	gtcacagagc	ggcatcctct	180
gggcactgcc	agccccaccg	tggactttcg	taaccggagc	cctcacgctt	cgagttccag	240
ccggacggtc	atcaggcccc	tcattcacca	gacccctgcag	caccctgaag	gagccccgact	300
ggcgaggagc	vgctgggtca	tccccggtgt	catggagcat	cggtacacgt	ccgactgagg	360
gggcactgaa	gcygtggggt	cattttgcag	tga			393

<210> 520

<211> 434

<212> DNA

<213> Murine

<400> 520

gaattcgggt	tgaatatgct	tggcccatgt	gaagtggcac	tattaggata	tgtggccttg	60
ttggagtagt	tgtggctttg	ttgtaggaag	tgcacactt	tgggggtgtg	ctttgaagct	120
ccgcrcagtg	ggaaagagac	cctcctagct	gcaggggcga	aagtttgctc	ctggcttcc	180
ttggatgaag	atgtaaaatt	ctcagcccct	tcadcgccat	gcctgcctag	atgctgctgt	240
gagtcctgcc	atgatgataa	tagactaaac	ctcagaaccg	ataagccagt	atcaattaaa	300
tgttgctcct	tataagagth	gcctcagtc	tggtatctgt	tactgcaat	gaaaccctaa	360
gtaagacact	aacagaaaact	ataatcattt	gaggagaacc	acaattgaga	aaatgcctcc	420
ataaaactgg	tgtg					434

<210> 521

<211> 300

<212> DNA

<213> Murine

<400> 521

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cctgcctgca	ggtttggtcc	attgtgctga	ggaatgtccc	tgcctctggg	atgacatcca	120
ggtggtataa	atggaaaagt	gacaaattat	tcctttgctc	tagtgtaggc	attgctgtaa	180
ttagtagcaa	gttggaacct	taggaaaaaa	aaatctcacc	ggagtgtgaa	gatgcattct	240
aatcctcagt	ctgcagagta	aataaagtgt	cacaccagta	gcctdcccga	ggccacttct	300

<210> 522

<211> 495

<212> DNA

<213> Murine

<400> 522

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aaaatcttag	ggtacatata	actacgaaaa	ggccctaaca	ttgttggtcc	atacggcatt	120
ttacaaccat	ttgcagacgc	cataaaaatta	tttataaaag	aaccaatacs	ccctttaaca	180
acctctatat	ccttatttat	tattgcacct	acctatcac	tcacactagc	attaagtota	240
tgagttcccc	taccaatacc	acacccatta	attaatttaa	acctagggat	tttattttatt	300
ttagcaacat	ctagcctatc	agtttactcc	attctatgat	caggatgagc	ctcaaactcc	360
aaatactcac	tattcggagc	tttacvagcc	gtagcccaaa	caatttcata	tgaagtaacc	420
atagctatta	tccttttatc	agttctatta	ataaatggat	cctactctct	acaaacactt	480
attacaaccc	aagac					495

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 <211> 393  
 <212> DNA  
 <213> Murine

<400> 523  
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 gaatattaca acwgacttag ccaatttaac tgctccagct ggaatacac tctaaacaga 180  
 acccctacaa tcagagtcct atggtctctt ctgaagagca atgtaaatac aacattagca 240  
 catttctatt acctgcttaa atgttcgaag tctatccagt gtcctctgtc tctcttggt 300  
 aaccaggca ctttttcttt cctcttcctc atgcaatttg tctctcttta tttgtattgt 360  
 atgatgggct ctatattcat cttcactctg aaa 393

<210> 524  
 <211> 244  
 <212> DNA  
 <213> Murine

<400> 524  
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 ctgttattat actacatact ccagactagc tggacccttg agcttctggc cagctcctct 120  
 gtgtctaccc caaccatgct gtacgagtac tgagattaca tacttgcatc attgcacctg 180  
 gcttctcact cggttcttga gwtcaaactt gggttaccgg cttgcagtag caaatgtttt 240  
 tacc 244

<210> 525  
 <211> 164  
 <212> DNA  
 <213> Murine

<400> 525  
 gaattcgcta tttatatata agcgataata tgggtttgta acattagttt taaaaaagg 60  
 aaagttttgt tctgtatatt ttgttacctt ttacagaata aaagaattca acattaagaa 120  
 ccatgtaacc gagacacttg atctgacaca ggggcmgtcg ggaa 164

<210> 526  
 <211> 149  
 <212> DNA  
 <213> Murine

<400> 526  
 gaattccttag gaagttaaaa aaaaatagtt ttgtaattaa agtataaaca aacataggca 60  
 atgcacacct tgtcaatcac tggagtagga tcattggatt caaatcataa tgtggatagg 120  
 atagggagga tgaattacca ggattcatg 149

<210> 527  
 <211> 59  
 <212> DNA  
 <213> Murine

<400> 527  
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<210> 528

<211> 194  
 <212> DNA  
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<400> 528  
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 cgactctgaa actttccaca actgcatttt tacctaaaaa tcatcataaa ccattcaatt 120  
 aagctaaatt aacyggtctc hgtagaaatg ctacaaatac aaaatactac ctagtcygat 180  
 tttacaaatc aaat 194

<210> 529  
 <211> 319  
 <212> DNA  
 <213> Murine

<400> 529  
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 tggtagcatt taccacttac tttttttatt ttatgtatat gagtacacta tagcagtctt 120  
 caaacacccc agaagagggc atcagatccc attacagatg gttkcagcca ccatgcgttc 180  
 gggacctctg gaagaacagt cagtccttta actgctgagt catctctcca gcccttggtt 240  
 ctactcttta agaaaaaaa gcagtagtct tagtatcaac tgtgaaaaag gtagatgtgg 300  
 ttagtagtat tacygaaac 319

<210> 530  
 <211> 278  
 <212> DNA  
 <213> Murine

<400> 530  
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 agaggccgga ggtattgcat gtcctggcct gacagagcgt tgtttgtgac cggctagacg 120  
 taggtgccat ggcttgtaga agaacaggat ggtcttgtct ctgtctccag ctccctatta 180  
 atctatgagg gctctatctg catgaacacc tacatgccag arrrgggcat cagatcccat 240  
 tacaggtggt tgtragccac catgtggttr ctgggagt 278

<210> 531  
 <211> 103  
 <212> DNA  
 <213> Murine

<400> 531  
 gaattcgaac cctctatcta ctatcggagc ctgagcggga atagtgggta ctgcactaag 60  
 tattttmacg agcagaatta ggtcaaccgg tgccttttgg aga 103

<210> 532  
 <211> 299  
 <212> DNA  
 <213> Murine

<400> 532  
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 cgagagaygc agaattccaa cccactcta gacttactgg mtcagagtct tcataggctc 120  
 agcccagtga cccctgaatg tagctgtgtc tgagggaggc tgttttmcca actcttacvc 180  
 tccctcagtt ggscagsctt ttttacattc ttgacttcta atcccccata tggagacctc 240  
 caccgcctac atttctagga tgcctttcct cagtttcttt aaaaaaacia caaaaaaac 299



<210> 533  
 <211> 289  
 <212> DNA  
 <213> Murine

<400> 533  
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 ttattacaca ggcccacatt cacaattacc gttggtagca gacgagacta gatcttcgag 120  
 cccctgacaa catacatact tcaaagctag cagaatgaag atrcvaaatg actgtgtcat 180  
 aaaagtatct tctgtcatcc tgatgataaa gcattccttc aactcatagt tcctatttat 240  
 gtatagagcc taactccttc actgcctctt tgttctataa aagtcagg 289

<210> 534  
 <211> 305  
 <212> DNA  
 <213> Murine

<400> 534  
 gaattcccg ccagcdccg cttttttttt ttttttyctc taggattttg acattgctgg 60  
 tgagtttkac ccaatgatcc ctgatgcaga gtgtttgagg atcatgtgtg aaatcctaag 120  
 tggactgcag ctgggggact ttctcattaa ggtgaggcta gtcttgatac taataaagga 180  
 gaagtttgaa tttkgcctgt gaaattgtct tagtattgat ttaatgagtc aagaaattta 240  
 gagatggcca ttgttttgag ggaadggcat tgattgccaa ggacataggt taattatatt 300  
 grgtt 305

<210> 535  
 <211> 290  
 <212> DNA  
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<400> 535  
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 atttcaagt catgaacagt cagcacactg ataacagcaa gcctctaagg gatttggtta 120  
 cctcactgcc tgatcagcta caaaaactgg acagagattt gattatggtta cagagcagca 180  
 tatttggttg acataaaaat gtcaccaagt gdaagcaatt agagcatccc aacctaaatc 240  
 catttgcaag tcctaagaat ctacatgaga agactattga aaaatatttc 290

<210> 536  
 <211> 168  
 <212> DNA  
 <213> Murine

<400> 536  
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 aaaccactca gtactagagg atgaaccagt tttcaatgtt atcagccctg gaaaaccgcc 120  
 cagctcccdc cccagcaca ttctattttg ttttaacatt ttataaat 168

<210> 537  
 <211> 275  
 <212> DNA  
 <213> Murine

<400> 537  
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 ttccaacccc tacttaaaat tcaactagaa agttacctac caagtactaa ttagcattat 120

aamgtcagag	cctgcagctc	caggcctttc	agttagttgt	ttactagaaa	ggacagtctt	180
aagccagata	cagtttctca	taagaaagtt	aaagaatcca	gtgaagcaag	ttttttcttt	240
agccctagat	tcccggcaga	ctattgagca	tagat			275

<210> 538  
 <211> 113  
 <212> DNA  
 <213> Murine

<400> 538						
gaattcctgg	cttgggtccag	ctgccttttc	ttctchtctg	ttcttcctcc	tcctcttctt	60
cctcaattcc	cttgggtgct	tttcattca	gagaagctgg	agtccattgg	cct	113

<210> 539  
 <211> 220  
 <212> DNA  
 <213> Murine

<400> 539						
gaattcgtaa	atggcactgt	aaaagggcat	ttatcaacat	aacaatgtaa	cacctaacag	60
aaaagtgtga	attcgggatc	agaaaaattc	aacgtttaat	ttgttaaact	taaagctgtc	120
actggatata	gaaaaataaa	ttaacttaga	ttactttaaa	gatctactgt	cagttaaacc	180
tccacatatt	ttttttaata	atttaaccag	cttgtctaaa			220

<210> 540  
 <211> 156  
 <212> DNA  
 <213> Murine

<400> 540						
gaattcccaa	agtgggagga	atgttaacac	ygcgatagac	accaagaaaag	agagttgggg	60
gctagagaga	ggctcagtgg	ttaagagcac	gactactctt	ccagaggtcc	tgagttcaat	120
tcccagcaac	cacatggtgc	tcacaaccat	ctgtaa			156

<210> 541  
 <211> 187  
 <212> DNA  
 <213> Murine

<400> 541						
gaattctgca	tatcacatag	ttaatccaag	tccatgacca	ttaachsghe	cctchhmctc	60
cttctaacad	caggtctagt	aatatgattt	cactataatt	caattacmct	ataacccccg	120
cctacwcacc	aatatccyca	caatatatca	atgatgacga	gacgtaattc	gtgaaggaac	180
ctaccaa						187

<210> 542  
 <211> 92  
 <212> DNA  
 <213> Murine

<400> 542						
gaattcgatc	ctttgagcca	tacaacgtgt	tttcgcttta	aaacaaagca	gacactaata	60
aaccaccgta	tagataaagg	atagaagaat	tt			92

<210> 543

<211> 104  
 <212> DNA  
 <213> Murine

<400> 543

gaattcctgg	cttttttttt	tcttcaattt	cttcgtcatc	atcgatcatc	tcggaatcac	60
tccaggdcwc	gtaattatyc	tgattcctgt	tattgtcact	caac		104

<210> 544  
 <211> 366  
 <212> DNA  
 <213> Murine

<400> 544

gaattcgcgg	tctcagggct	tgtaggctgt	tttatgattc	atgtttcaag	atgctgaagt	60
taggttcccta	tgtcaggaaa	tcgtagggtgc	acctgaattc	tgtgaacagg	atgtcttgtg	120
gacttcagac	cttagcctaa	gcttgtgttg	aaaaacatgt	cccccgttgg	aaaaatgcta	180
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gcttaggttg	gtctttaact	tgacgcagtc	ctcatacttt	ggctctttca	tgctgggggt	300
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gagaac						366

<210> 545  
 <211> 447  
 <212> DNA  
 <213> Murine

<400> 545

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gacaagctga	gtcaacagag	taaactggag	tttgaaaacc	ttgtagaaga	gacaagccac	120
tttgtgagga	ccacgtttgt	gtcgcaggcac	aagaaatttg	atgagttttt	ccgagagctg	180
ctggaaaacs	cagaaaagtc	cctaaatgac	atgtttgtcc	ggacctacgg	gatgctgtac	240
atgcagaatt	cagaggtatt	ccaggacctc	ttcactgagc	ttaaavcggta	ctacacaggg	300
ggtaacgtca	acctggaaga	gatgctcaat	gacttctggr	ctcggtccct	ggagaggatg	360
ttccagctga	ttaaccccca	gtatcacttc	agcvaggact	acctggagtg	tgtaavcaag	420
tacacagacc	agcgaagcat	ttggaga				447

<210> 546  
 <211> 372  
 <212> DNA  
 <213> Murine

<400> 546

gaattcatca	gaggttgatg	taacccctgg	tttagctaaa	tttttccggt	tagattcaac	60
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ttcttctctt	tttttaagct	gcttttttag	ttgtttctcc	tctggctccct	tttttttact	180
tttatcttca	tcaataacca	tgtcaccgtc	tgaaggacaa	ggctgcttta	ccacttttag	240
tctgcctctt	ggtttgggaa	tcttgacttc	agtagctgca	ggctgctctc	tcttaggact	300
tgctttcaca	ttagaagcgg	ttgctgcagt	caccattccc	gcctcttcag	tgtctacttg	360
tttttcagcc	tt					372

<210> 547  
 <211> 372  
 <212> DNA  
 <213> Murine

<400> 547  
gaattctttt tttttccctt ttttaatttt ccacaggccc tctgtgtttg agactgtgcc 60  
cactagtctg aagggttgaga ggattatttc gattggcaat taagacacaa ggggcacctg 120  
gtgggcacag cggccacctt ctcttccata tgcagttgtc tgcataattg tgcaaatgag 180  
aaaaaaaaaga tttattcaca agaagaaatg tgtagcgtgt agagatggct taatttgagt 240  
tcctcgggca ggccggctcs ctgggggctt tcttcattct ccctactgac ccccatcaca 300  
aagggatgaa gatgcccgaga tgccaggga gggctgcttg gtccctggca gggccactga 360  
gccccgtcac gg 372

<210> 548  
<211> 313  
<212> DNA  
<213> Murine

<400> 548  
gaattcggca tgaccagtgt cattgggcct gtgagatgac caagagtccc cagagtcctg 60  
gggatagaga gccctccatc ctgggagtg aaaccttatg gtgtgttatc tagttagcag 120  
gaaatgtag agaccacagt agggacaggt gaaagtctgt tgcctcacag ggtctgacac 180  
tgatggagca gattgtgtca acaatgtgtc acaggaatgg aaagaatgtg ccctgagccc 240  
acctccccac cccaccccaa aaaaccccat aaaacaaaa atcaaataaa tgaataaaca 300  
cacacacaca cac 313

<210> 549  
<211> 283  
<212> DNA  
<213> Murine

<400> 549  
gaattcattg ccttgagata ggggtctcaag ttgaatttag aagtacgtat tggataggct 60  
aaccacgcag ttcttttgat ctctacctgg kcccaacgtt aagggtgtagg ccagctcagc 120  
catgcctggc tttttcatgg gcacaggag attcaagccc tcatgcttac acagcaagca 180  
cctgtagaat tttaatccag caacatggct gctccagcga gggatcacat ccaaaggcct 240  
tctaggtcta tgtgatccgb ctggagaatt ccaccacact ggc 283

<210> 550  
<211> 342  
<212> DNA  
<213> Murine

<400> 550  
gaattccttc agaagagtca tttacatttt tcttatttta taaaaataat agtttaaaaa 60  
aaaaccaaac cacaacaaaa atcacatgtt cacagtagag gggtactgtt aggttttaac 120  
actgttcttc atgccgtttc tgcagcgtaa sagcaaaca atccacaaac ttagacaccc 180  
atatcttggg ggctggagtg atgctcagca gttaagagca ctgacagctt ttwgtcctga 240  
gttcaaatac cagcaatcac atgggtggtc atgaccatcc gtaatgagat ctgacccct 300  
tttgtggtgt gtctgaagac agctatagtg tacttacacc ca 342

<210> 551  
<211> 373  
<212> DNA  
<213> Murine

<400> 551  
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cccgcgaggg tccaccaagc tgatcttact gaccttttct gaatccaggc cagtaagctg 120

gtcatgggat	cgctgggtaa	agacaatagt	aaagacggca	tgggagcggc	tgctgggtctc	180
gttcatgttg	gtggcagcca	cggttccttg	cttatttcca	cagtccatga	ggtcgggcaat	240
gtctgcatag	gaagtcacag	ccagtttaga	caggctctgc	acgtacgggc	ctaggatggg	300
gtgctcccg	acccgcagag	agccccgact	cttggggggt	caagaggtct	cgtacycctc	360
gcaatagatt	tcc					373

<210> 552  
 <211> 474  
 <212> DNA  
 <213> Murine

<400> 552						
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ctataaagca	tttaaccccc	ctgtacacaa	ctcactcctt	ttaaagaaaa	aaattgaaat	120
gtaaggctgt	gtaagatttg	tttttaaact	gtacagtgtc	tttttttgta	tagttaacac	180
actaccgaat	gtgtcttttag	atagccctgt	cctggtggta	ttttcaatag	ccactaacct	240
tgccctgtac	agtctggggg	ttgtaaattg	gcattggaaat	ttaaagcagg	ttcttggttg	300
tgcacagcac	aaattagtta	tatatgggga	cagtagtttg	gttttttggt	ttgttttttt	360
ttttttttct	tttggttttc	ttttttgggt	tttatttttt	ttcatcttca	gttgtctctg	420
atgcagctta	tacgaagata	attgttggtc	tgtaaactga	ataccactct	gtaa	474

<210> 553  
 <211> 500  
 <212> DNA  
 <213> Murine

<400> 553						
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ttgcataagc	tcaccgtcca	caagcacgag	gagatatctc	tagctttcat	ttctgttttg	180
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ttttcccctg	gtggtttgga	gttaggcaga	gggaagttag	agacacaggt	acaaaatttg	300
ggtaaagatg	ctgtgagacc	tgaggaccca	ccagtcagaa	cccacatggc	aagtcttagt	360
agcctaggtc	aaggaaagac	agaataatcc	agagctgtgg	cacacatgac	agactcccag	420
cagcccggga	ccctgctgtc	ttctcgactc	ttagggcgtt	tctttccatg	tttggtgtgt	480
ggktttagtt	ttggtgagcc					500

<210> 554  
 <211> 233  
 <212> DNA  
 <213> Murine

<400> 554						
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atagaatgcc	atatttggtt	ataaaaaagg	aggtggactg	tgtgactgac	tgtgatacag	120
tagggtggca	agggcgaggc	agccatcatt	acgtgtgagc	agcgacctca	ctgacactac	180
actgctgaac	ccaaacagta	gagcagcaga	tgccatcag	gagacctgca	cag	233

<210> 555  
 <211> 195  
 <212> DNA  
 <213> Murine

<400> 555						
tgccaagtag	cctacactgg	ctttgctgtg	gccctcctac	atttgtctcc	tctgtgctca	60

aagtatatga gtctgttatg gatattgctg gctgtaaaac aacataaata atcactttta	120
gtgatatttt tgctatacat gttgaacaca aaagctttac atgctttgat cagtctggat	180
taattgcgat acatc	195

<210> 556  
 <211> 201  
 <212> DNA  
 <213> Murine

<400> 556	
gcggcccgtt tttttttttt tttttttttt ttttttagta gaaatatttt attggtgaga	60
ccccaccatc tgcacaaagt ggtccctggaa tcaagctcct tcctccttgg caatgcgatc	120
tttcttgagt ggtccataaa tgtttcttct ctcatggctg gagcgacatg caattgagtg	180
gtcatgacta gatttcaggc c	201

<210> 557  
 <211> 188  
 <212> DNA  
 <213> Murine

<400> 557	
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ttagtgaaag tgaccatggg ttcaaataag tgtgattgct ctgctccgct cgctctggga	120
gcagtgttct tttttttttt aattcaagat gactaaaaaa gtcactttca agtgactgtg	180
tgtctgag	188

<210> 558  
 <211> 227  
 <212> DNA  
 <213> Murine

<400> 558	
gttcatagaa aagtactcaa ttttttactt gcaaagcagt cctgggttaa ggtaagtttt	60
atatgtgtgc actgttacaa agtttgcttt gtagatggag agcccgatac accgtatttg	120
aaaaaaggta gaaagcagaa atgatagatt ctgataccta ggaagttaga tacagatttc	180
agtgatatgt catatgcatg gatgagagta aatactatta atatcag	227

<210> 559  
 <211> 90  
 <212> DNA  
 <213> Murine

<400> 559	
gttaacagca actttattat tccatgatga aaaaagttgt agttgttgat gcattcacat	60
aaattacaat agtggaggat cataaattac	90

<210> 560  
 <211> 199  
 <212> DNA  
 <213> Murine

<400> 560	
caggaaggct gtcccacagg aatataagtg aggcacaaat gttattttta tatttccagt	60
atgatgtgta gggctgggga ggagggacgg gggaaatggc tcagaagata aaaaaccctg	120
caacaagcct gacaacatga gttcaatccc aggtaggaag aactgactct atagctgtct	180

ctgacatcat gtttgtcat 199

<210> 561  
<211> 188  
<212> DNA  
<213> Murine

<400> 561

ctggtactgt ggccctccgt gaaatcagac gctatcagaa gtccactgaa cttctgatcc	60
gcaagctccc ctttcagcgt ctggtgagag aaattgctca ggacttcaaa acagatctgc	120
gcttcagagt gcagctattg gtgctttcga ghaggcagtt gaggctattt ggtttgaaga	180
tacaatct	188

<210> 562  
<211> 174  
<212> DNA  
<213> Murine

<400> 562

gaaacaggag gggctcagtct gtcagaaaaa gttgacagtg aacttaaaac tttagaacaa	60
ttatcttcat tttcttctga tgaggaagat cctggctcgt gtggccatga tatctataag	120
aacacctctg ctcccttact gtgttggatg ctacttcgat aaacaagaaa cttg	174

<210> 563  
<211> 166  
<212> DNA  
<213> Murine

<400> 563

ccgtctaagt gccagcaca tgactacagc tttgtcacat cctggctcta tccaagctgt	60
ctcacctcat ctgccacag ttcttgggct gcagaccaga ctgtttctgc aggcttggtc	120
ctgcctctct ggcttcactc ttgtaccctt ctccccaata ttctct	166

<210> 564  
<211> 121  
<212> DNA  
<213> Murine

<400> 564

gcaactaaaa aagtttgtgt aaatacaata gaataccata tttcgatata tataaaaaag	60
gaggcggact gcgtgactgc tgtgcatcag tcagggtggc aagggcgagg cagcatcagt	120
t	121

<210> 565  
<211> 270  
<212> DNA  
<213> Murine

<400> 565

aaagaaaaca ttgtttctta atttgtaacg ttaaagtctc ctggaactcc tacttcta	60
gaaaattgca aattagatag agagaaagag agagagaatg aatacatcta tcaatagaac	120
cttgtacatt tatcatgtat aaggctatca atcatatctg aggctagact cttagaatta	180
ctctgagcct attctcctct cggcattgaca ctgatgcaca tatacatagc tgtctacttc	240
ttctagctac tgacttatat atatattgtg	270

<210> 566  
 <211> 156  
 <212> DNA  
 <213> Murine

<400> 566  
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 tcggctctcg gcaccgaatg cgtatgattc tccgccagca tcgttcggca gtgcgtcgac 120  
 agacgccgct tgttctgaag tgcagtaaag cgccgg 156

<210> 567  
 <211> 231  
 <212> DNA  
 <213> Murine

<400> 567  
 ccaactaaag gaactgcctg aaaaaatgcc cagaactctc caggaacttc gtgtccatga 60  
 gaatgaggat caccaagctg cggaatccg acttcaatgg actgaacaat gtgcttgta 120  
 tagaactggg cggaaccca ctgaaaaaac tctgggattg aaaacggagc cttcaggact 180  
 gaagagtctc tcatactcgc atctcagaca ccaacataac tgcgatccta g 231

<210> 568  
 <211> 206  
 <212> DNA  
 <213> Murine

<400> 568  
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 gccgatggct cgtaggcgtc tccagtgaag gcaatggctg attcagacc acggagaagg 120  
 cctgctgac cagctcaaag gcttggccga gaccccgaa gactccccac cttctgatac 180  
 tccttcttga aagccagtca cctctt 206

<210> 569  
 <211> 262  
 <212> DNA  
 <213> Murine

<400> 569  
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 aggctgagca tatccgtgtg tacctataac aagtatctgc agttctcagg aactctctgg 120  
 gtaatcaggc taactaaaac agtgaactgc cacttcagtg agagaccctg tctcaaggca 180  
 acaagacaga tagtaataga gggagacacc aatgtctctg tgttcaaaca cacacatatg 240  
 gaggcattgt gttaaattga ct 262

<210> 570  
 <211> 219  
 <212> DNA  
 <213> Murine

<400> 570  
 cagcgacaga cggacagact ctccgggtggc cacactcacg ataaaagctg gcaggctgac 60  
 agaggcaacc tcaggacgga ctttctggct actgaccatt ttctgtgtc ttactaggat 120  
 cgtgtgtgga cgtgagatca ccatgagctc cgttgacagt tttagcccaa gagagttttt 180  
 ctgaacatcg aagtgggctg gttccacaac aaatcaagt 219



<210> 571  
 <211> 167  
 <212> DNA  
 <213> Murine

<400> 571  
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 atctaattca atgttgtact tgtcaatata gtcataataa tcttctgttc ccagaacctt 120  
 ggctatcctc accaacctga tcataattgg ctcatgtcca tggaaaa 167

<210> 572  
 <211> 230  
 <212> DNA  
 <213> Murine

<400> 572  
 cagctctcca ccattgagct ggacagctgc tgtgaccag gctgctgaga acgccacctc 60  
 agctctgttg agggagcagg aaggctcacg tccagctccc ctcaggcaca gatctcctgg 120  
 caatgaaagc gccatctctc cagcaagccg tggagatgag gctgaagatc aggttcataa 180  
 gcttcgggctc aaacttctta aaaattaaaag gcaaaaagaa gaaactagct 230

<210> 573  
 <211> 237  
 <212> DNA  
 <213> Murine

<400> 573  
 cgctcgcgtc tgtccttaag gctctcctcg gtgtccacgg ctccctcttt ccttgctttg 60  
 cagcgatcct actgccagaa attcgccatg tctattctca ggatccacgc cagagagatc 120  
 tttgactccc gtggaatcca ctgttgaggt cgatctgtac accgcaaaaag gtctcttgag 180  
 ctgcggtgcc cagcgtgctc actgactcta cagcctagaa ctcgagacat gataaga 237

<210> 574  
 <211> 231  
 <212> DNA  
 <213> Murine

<400> 574  
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 gatccaagac tacagaaccc agccatcact ggtccggctg ttccgtactc cagagagttt 120  
 aagcagaaat acgactactt taggaagaaa ttaaagaagc ctgctgatat tcaaacgggtt 180  
 tgaaatgaaa cttacacgaa acaacatatt tgaagagtct atgcaggatc a 231

<210> 575  
 <211> 143  
 <212> DNA  
 <213> Murine

<400> 575  
 atgaatttgt ttggttggtt ttgtttttga gacagggttt ctctgtgcaa cagccctggc 60  
 tatcctggaa ctactatgt aaataaacta agctaagctg gccttgaact cacagtgaca 120  
 ggcctttaat ctgagcactc aag 143

<210> 576  
 <211> 113

<212> DNA  
<213> Murine

<400> 576  
ccatattgaa ttagatatct tatttcagga catccatgtc aaaataaaac aaaagagtca 60  
atccttgcaa caataatgtg tattcattaa aacgcatttc acaatcatcc cat 113

<210> 577  
<211> 168  
<212> DNA  
<213> Murine

<400> 577  
gctttggtaa atgtggcact aaatcttagc attaattgga taacacacaa agacagtacg 60  
aggcagaacg gaataaaatg attggaaaac gagctaacga aaggctagac tctgttacia 120  
agcgtaaagag cttcaggaaa tcaagataga tagaaaatat gatgatgc 168

<210> 578  
<211> 245  
<212> DNA  
<213> Murine

<400> 578  
atgaaatattg tggaaacatc agcttctcag ttttggaat taaacagtaa gtcataaagc 60  
tcagataggg cactagcttt gtagtgccat gaacagcagc atcaacataa agtttggtc 120  
ttgagagcaa accaaggagc acgttgtaga cctgatgtag gaatactgtt atatctggac 180  
tgagtggaag gtcacgggtg ggatgtgcaa gactgtgacg acacttgcca tgatcggtgg 240  
atagg 245

<210> 579  
<211> 108  
<212> DNA  
<213> Murine

<400> 579  
gggccgtggc agagcgcgga gaggcctgcg ggtggcagcg gcggggcgggc ccgtcggggc 60  
ggagccgagc cgagccgcgc cgcgctctgc tccgagccgt aagccctt 108

<210> 580  
<211> 213  
<212> DNA  
<213> Murine

<400> 580  
gccccccaga cctcttgaga gtcacctagc catcaatgga actccaaccg gcagagcaaa 60  
tctgagtcctg actactcaga tggggacaat gacagcatca acagcacctc caactccaat 120  
gacaccataa actcgtctga gtctcatcac gggacagcct cggaacagac actcagcaag 180  
cagacatacc acaggagacc gcacagctgg act 213

<210> 581  
<211> 153  
<212> DNA  
<213> Murine

<400> 581

gagcaactca	ttgctgcaaa	attctgtttt	gctggccttg	ttatagggca	gactattgtg	60
gacatcatga	gtcatgccac	acaagctatt	tttgaaattc	tggagaaatc	ctggctgccc	120
caggactgta	ccggttgata	taagattgaa	ttt			153

<210> 582  
 <211> 155  
 <212> DNA  
 <213> Murine

<400> 582						
ctggttccct	gggaggccag	gagactcaga	tctctggagc	tagagttaca	ggtggctgtg	60
agctgctaaa	aagcgggaac	taagccacag	tcctttgtac	atatcttgta	cttttgcatt	120
tatacaaagt	aagaaattcc	tcactctctt	aacag			155

<210> 583  
 <211> 229  
 <212> DNA  
 <213> Murine

<400> 583						
cttcccaaat	atgagagggt	caaggaaactg	tgccagcaag	ccagatacca	gacagcctgt	60
gagcagcctg	ggcagaactg	gcagtgcac	gaggacacat	ccggcaagct	ccgaatccac	120
aagtgttaagg	gaccagcga	cctgctcacg	gtccgtcaga	atgcacgcaa	cctctactct	180
cgcggtattgc	atgacaaaga	caaagagtgc	attgtaggga	ctctgctat		229

<210> 584  
 <211> 215  
 <212> DNA  
 <213> Murine

<400> 584						
caggattttct	ttgtgtagtc	ctggctgtcc	tggaactcac	tccgtagacc	aggcttgaac	60
tcagaaatcc	acctgcctct	gcctcccaag	tgctggaatt	aaaggcgtgc	gcacctctgc	120
ccattgcctg	aactcttttt	atgtcagttc	tttgtctccc	actagaaaga	atgttgcagg	180
acctctctccc	cattgccaca	aggtcagaag	actct			215

<210> 585  
 <211> 230  
 <212> DNA  
 <213> Murine

<400> 585						
gggatatcaa	aaaagtttaa	aagcgaaact	tgagctgcct	gaaattcctg	tgacaaaaga	60
tgatgtagaa	gattcagact	cagaagttag	tgaatttttt	gatagctttg	atcagtttga	120
tgaactagag	caaacttttg	agacttactt	gctcatggaa	gatcctatca	tagggaagtc	180
atcacagaag	atagggcaca	atatgaaaac	tgatgatctc	agaatcagtt		230

<210> 586  
 <211> 212  
 <212> DNA  
 <213> Murine

<400> 586						
acgcttttagt	tcaggattga	acggagcata	cacttcttcg	aaacaaagct	tattttattct	60
tgagcagcca	cacattgggtg	cactctgggtg	caggaactgg	gaattcggga	aaagtgggtg	120

tatctctggt aatggaggct gagacatgcc tggtcacctt ccaggaccat gacaggcctg	180
actaatgaga gggcaaaggg ccttgagact gg	212

<210> 587  
 <211> 212  
 <212> DNA  
 <213> Murine

<400> 587	
aagatttatt ttacttatga gtacactgta gctgtacagg tggttgtgag ccatcaagta	60
gttgctggga attgaactca ggacctttgc ttgctccagc cccactcatt ctggcccaaa	120
gatttattta ttgtttatgt gagtatattg tagcgtgtct tcagacacac cagaagaggg	180
attcagactc attacagatg gttgtgagca ca	212

<210> 588  
 <211> 193  
 <212> DNA  
 <213> Murine

<400> 588	
ctgtattggt atttttctct cactacctcc ccgggtcgga gtgggtaatt tgcgcgcctg	60
ctgccttcct tggatgtggt agccgtttct caggtccttc tccggaatcg aaccctgatt	120
ccccgtcacc cgtggcacca tggtaggcac ggcgactacc atcgaaagtt gatagggcag	180
acctcgaatg ggt	193

<210> 589  
 <211> 226  
 <212> DNA  
 <213> Murine

<400> 589	
acaaaactca aagtcttcca actgatgtgg atgtcctttg atgtaaaaca ttcgtacgtt	60
atttgctatc attgctctct gcacactctg tcaccaaagc cacaggattg agtgacacat	120
ctctccaagt taaaaaatat ccattttcca ccaccaagtc tctgcaggtc tccttttget	180
catactagcc tttcatgcct ggaccaccat catcacacag ttcaag	226

<210> 590  
 <211> 243  
 <212> DNA  
 <213> Murine

<400> 590	
ctctctgtta ctgttctcta tattcagatg tcactataaa atatttcaat attccaatga	60
attcctatct aaaacctaga atgcaaaaag cacacagaac aaattgccat tcctttcttaa	120
aatccactct ttctgcacta acttgcttct acttcaagta aaatttgttt tcaaaagcca	180
ctgatcatat atacttttaa ttacttatac ttagagacac acagctaagt ctagatacat	240
gag	243

<210> 591  
 <211> 261  
 <212> DNA  
 <213> Murine

<400> 591	60
ttttacagag gtgctaggaa tccaaacttt ggtccttaca ctagtgcaaa aagcactttc	

cttgtccagt	catctccctg	cctttgcaca	ctgcgatttt	ggcacacctg	accaatgcta	120
cctgtgacct	agattttctga	ctgctatttc	cctttgttca	ttttaggcca	gaaacagaaa	180
cagaaccagt	gcagacaggc	tctacctgtc	tggcagtata	cacttgctat	gtcacatct	240
atgcatactc	agagactagt	g				261

<210> 592  
 <211> 274  
 <212> DNA  
 <213> Murine

<400> 592						
gttcgtgtcc	agtctgtatg	aatgaatggt	ctatgttttg	tggttgataa	taaagatggt	60
ataaaaaact	ttatctgcaa	agccgagagc	tgccacgtgt	ttcagccagg	aatcagacac	120
gtggcgagag	ggccccctcg	ggaaaaaact	gttcgtttta	ggaaataggg	cgagtgcaca	180
gcctctagtt	cagagtaaaa	gctaataaat	gtctagatta	atgtgttgca	atgtaagggt	240
ttattatgat	gagctcaaaa	tatatcctga	tgct			274

<210> 593  
 <211> 252  
 <212> DNA  
 <213> Murine

<400> 593						
caaatactag	taaacctaca	cagtgtgcac	ataataacag	acatatattgc	tttcatatgc	60
ggagtgtgta	tatatattgag	gttttcttct	tttttctct	ttctctttcc	ttctgtttct	120
ctctctgtgt	ctccctctct	gtctctgttt	ctgtctctct	cttttttgtc	tcccgttcat	180
aaagtctact	gtgcagtctt	gactggctga	acttcgtatg	tagacaggct	gttcaaatca	240
gagatcacat	ga					252

<210> 594  
 <211> 246  
 <212> DNA  
 <213> Murine

<400> 594						
cctataggtc	tgcagacct	ttcttctcct	tgggtacttt	ctctagctcc	ttctttgggg	60
accctgtgct	ctgtccaatg	gatgactgtg	agtgtccact	tctgtatttg	ccaggcactg	120
caaagcctca	caagagacgg	ctatatcagg	ctcctgtcag	caaaagcttg	ttgacatctg	180
caatagtgcc	tgggttggtg	gttgtttatg	gatgatccga	gtgtgcagtc	actgatgtac	240
ttctcg						246

<210> 595  
 <211> 246  
 <212> DNA  
 <213> Murine

<400> 595						
ttcacaatgg	tttttgcaag	ttaaacagtg	aagggtgaatt	aaattcatac	tgtcttgacg	60
acttcagggt	ttcttcccca	agacaaaaa	ctaattctgtg	tgcataattga	caattcctta	120
caattatcag	tcaaagaaat	gccattttaa	attacaattt	ttttaatccc	taatggatga	180
ccactatcaa	gatgtatact	tgccctgtaac	agtaatgac	tctatatcta	gcacagtagt	240
attaaa						246

<210> 596  
 <211> 213

<212> DNA

<213> Murine

<400> 596

gaagttccag	tggtctttta	ttgagataaa	ttaacaaaaa	gaaacaatca	agattttacc	60
aaccatcttt	tctgaatgaa	ccatgtatat	aactccttaa	agactcaggt	ccatagacat	120
gcacatacac	tgtaacacat	ccaacaaaac	agaccctccc	actggaacat	tgcataacag	180
aagcatttct	tccaatgttc	aatttagtct	act			213

<210> 597

<211> 256

<212> DNA

<213> Murine

<400> 597

gcccacttta	tgagcttctc	aacccttcct	gaaatttcaa	tcccaaaatt	ctgaattccg	60
agatcaatag	gaagacattg	taggaaggct	caagacagaa	taaagctgga	ggctcagtgt	120
ccatacattc	acttgagccc	acactttggt	gaccctctac	cagctgtaaa	acacaagatc	180
ctctttcctc	ctgctgccag	attcatgtct	gacatcagaa	actatcgata	gactagactg	240
agtctgagac	ctgaga					256

<210> 598

<211> 234

<212> DNA

<213> Murine

<400> 598

ccagggttgt	ggggacacag	atgagggctg	ggaggggggg	aacgcaagag	ggcggggggg	60
ttcttcacga	tcgcactgga	agattttata	agagtttttg	gggggggggac	agtaaagctc	120
tgagccactt	gggttcttca	ggagtttctc	ttaggagttt	ctcttaggga	aagttttttt	180
tttctctctt	tttaatatat	aactataata	tatatgaata	taattgctaa	tggt	234

<210> 599

<211> 167

<212> DNA

<213> Murine

<220>

<221> misc\_feature

<222> (1)...(167)

<223> n = A,T,C or G

<400> 599

cttccctgtc	agttctggag	tttgtatgaa	ttctctgatg	tcattgcctg	taacctcaag	60
ttattcctta	atgtagaatg	tctgcttggt	actttttgtt	atttggtgtt	ctttgttatt	120
gatgttggtc	ccttngtctc	aaaagatgaa	tgacctggag	aaggaat		167

<210> 600

<211> 170

<212> DNA

<213> Murine

<400> 600

cacaatgtct	atagctgcaa	ccctgcttcc	cacagtgaag	tcttcccggt	ccttatttcc	60
aaaggtagtt	cagagaggtc	agacatcttg	ccccaaaagt	cctgacctat	acttagccag	120

agaactaggt ccataaataa atctacttgg ccctaaagca aaatgcccc 170

<210> 601  
<211> 204  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(204)  
<223> n = A,T,C or G

<400> 601  
ccggctcgag cggcnnnttt tgtttgtttt ttcttttctt tncctttttt tttcctaact 60  
ttttttngag gggggatgat agatttttta agtttccctt gttttcttga tatttggaat 120  
tctggcctac ttcactatta ataacagtag aagcagtagg agatactggg ttgggaattt 180  
gaagttggct tgagtttgag tctt 204

<210> 602  
<211> 212  
<212> DNA  
<213> Murine

<400> 602  
ctagaactca gtcttgggtt tgaactaact ggtttgagtt aactttgctg ttaacaaaca 60  
ggagtctata ctttgaggaa tatcaaagct ataaacttca gaccatttcc ttaattcac 120  
agggatccaa acaggatggc cttcaacatc atggttcaga ggtctactcc aagtatctag 180  
gtctttgtaa ccagtctagt gaacaatatt tc 212

<210> 603  
<211> 187  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(187)  
<223> n = A,T,C or G

<400> 603  
gcggccnttt tttttttttt cccttttggt tgtttttaaag ggcataagat gcgattgaac 60  
tttgaggggc cttctgctta ttagataagc atggctctctg tcctaaaaaa cagcatctac 120  
tgtgtactga cattttagtt tctgtggacg aagtaaattgc agcatttggt ttgggggaga 180  
acatttt 187

<210> 604  
<211> 232  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(232)  
<223> n = A,T,C or G

<400> 604  
tctccttccc cgccaccgnt gtcagaagct catcgagggtg gatgacgagc tcannogcac 60  
cttctatgag aagcgcatgg ccacggaagt agccgctgat gctcttggtg aagagtggaa 120  
gggttatgtg gtccggatca gcggtgggaa tgacaagcaa ggtttttccc atgaagcaag 180  
gtgttctgac ccatggcaga gtgcgcctct gttgagtaag ggcattctgt ta 232

<210> 605  
<211> 178  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(178)  
<223> n = A,T,C or G

<400> 605  
aagagtttga gacagcggag actctgctga actcggaagt ccacatgctt ctggagcatc 60  
gaaagcagca gaacgagagc gcggaggagc agcaggagct gtcggaggtc ttcataaaaa 120  
ccctcaacta cacggcncgc ttcagccggt tcaaaaaaca gagagaccat tgccagtg 178

<210> 606  
<211> 200  
<212> DNA  
<213> Murine

<220>  
<221> misc\_feature  
<222> (1)...(200)  
<223> n = A,T,C or G

<400> 606  
taaatttcaa aaaaagaaaa aggtagaaat tgaattagca agagcttaag ttttctttaa 60  
acatgctggc cagggcngca gtggtggtgc atgcctttaa tcccaacact tgggaghcca 120  
gaggaggcag atttctgagt ttgaggccag cctacagagt gagtttcagg acaacctggg 180  
ctatataaag aaaccctggt 200

<210> 607  
<211> 173  
<212> DNA  
<213> Murine

<400> 607  
ggcttactag gaggggtgaat acgtaggctt gaattaatgc tactgcaaat tctagaattg 60  
tgagtagaag taaaataata aatgtaatgg tagctgttgg tgggctaata tttattaata 120  
ctagagtagc tcctccgatt aggtgtatta ataagtgtct gcagtaatgt tag 173

<210> 608  
<211> 206  
<212> DNA  
<213> Murine

<400> 608  
taggcccttt cctttctttt actccctagc catagggtga gtctcctgca ggttgattcc 60  
tgcagggtgt tctctcactc ctgcagtgtg catgtcctgg tgtgtttata cacacataca 120



tacatcatgc accatacata tacatacaca catacatata tatatgcaca cacatacatg	180
tgatgcatac aaaattttct ttaatt	206

<210> 609  
 <211> 257  
 <212> DNA  
 <213> Murine

<400> 609	
ctttactact gagtcaaact tccagcctct agtcttaata taaagaacat tgtttcttgt	60
gttaacacag aatattgata gttctaagtc agatttatca tgttcaaatt tttatattag	120
ttaattatgg aaaaagaatg ggaagggctg taagaaacac taaatccaca gacaccttaa	180
aatactatga tagtaatttc atcaaattggc cagtgtggcc atattagaga aaagcagtaa	240
attggagagt acaagag	257

<210> 610  
 <211> 246  
 <212> DNA  
 <213> Murine

<400> 610	
atggggcacta cttgaggttg tatataaaca aaaatgacac gaggaaactc ttgatttcag	60
tttcaaaggg gagaactaca tgtactacag acaaggacga gagggtgaaa gaggagatct	120
ttagcatcaa ggactgaatg gcactggtgc tgccaacata tggaagtgtg gatagctgaa	180
cagaagttag cagctgccga gccagatgca aatgatgttg ttcttccaga gtgcaaggat	240
gagtcg	246

<210> 611  
 <211> 178  
 <212> DNA  
 <213> Murine

<400> 611	
ggcccatctc ttaggcttgt gtttttagcaa agtataacctg cgtggccatc ttgtccacgc	60
caatgcagag gtcctaaaag gactccctct attctctatc cctgtggacg taaagacact	120
ggcatctctg ttaccttctc ttccctttgc aagggtttac ttggatcttc agagaaag	178

<210> 612  
 <211> 218  
 <212> DNA  
 <213> Murine

<400> 612	
cactttttat ttttggtttt ttacagttag atttttttga cttcagctac accatcttcc	60
tactgtttcc cttgaaatcc catcctgctt ttctgtaca ctacccctca caaaccacaa	120
gccgcagcaa catggatgcc cagtctggag cagcaacagc caggatgacc tggagccagg	180
ggggccttcg gaacagatgt ataccttctg gtgagttt	218

<210> 613  
 <211> 238  
 <212> DNA  
 <213> Murine

<400> 613	
cattcttcat gtctctaaac ctttttttta aacaccttgg gggaggttgt attctggcat	60

tttaaataaa	aataagatgc	ttgatgccag	aatgaaataa	tagaaataat	gcctcctgtc	120
cctgacccat	gattcagagt	accttttccc	tggcaaagta	ccctggtaac	attttaaaac	180
acacctaaca	tgtcaacatg	tcaatatgcc	atcaaaaacc	cacaaattaa	tcgatttt	238

<210> 614  
 <211> 214  
 <212> DNA  
 <213> Murine

<400> 614						
tcctcttcat	atltgtcttc	cttctgagag	tactttctcag	cctgagcctc	cagtgattca	60
agttgttcgt	caccgttttc	aattcttctt	caagctcggc	acatttgccct	tctgagagct	120
cagcccgctc	ctctgcacgt	tccaggtcgc	tctcgatgat	gaccagctta	gggccacctc	180
ttcatacttc	cggtcagcat	cttcagcaat	gtgc			214

<210> 615  
 <211> 154  
 <212> DNA  
 <213> Murine

<400> 615						
atlttaggga	aaatgggatt	gactctctga	actcaacaaa	actggaatlt	tttttttccc	60
cagaagcgag	aaatgaaaag	agaagggcct	aaggaaagca	gaaggcggcc	tgaagtgaca	120
atacctttta	aaaactctta	tctctgtgtg	gggg			154

<210> 616  
 <211> 106  
 <212> DNA  
 <213> Murine

<400> 616						
cgggagggcg	gcgcggcacg	ggccccggtcg	ctccccccgc	agctgctggc	ccgcacgctg	60
ttcctgacag	ctgggccttg	gcgctctcgt	ctcagccgcg	tcccgg		106

<210> 617  
 <211> 240  
 <212> DNA  
 <213> Murine

<400> 617						
cactcttctg	acttagaggt	tcagcttgat	gctaacatga	aaccaatgcc	ctttaatagt	60
gaagcgacac	caactgaaga	tggagctcaa	ttacggttta	agcaagtagg	agtcagcctt	120
acagatgatt	tgatgaatca	gttgctgaag	ggaaaagcca	agaggtatlt	ccaggggcaa	180
attgagttag	agactggcca	gccacccatg	gagttaagaa	gaagacaact	gtaccttggtg	240

<210> 618  
 <211> 244  
 <212> DNA  
 <213> Murine

<400> 618						
tttgaaagtg	aaaagacttt	tattccacat	ttggagccct	tacagaggaa	catggatgga	60
gagctacagg	tggttctactg	tgacttcttt	aaaatggatc	ctagatatca	ggaagtagta	120
agaccagatg	tgagttcaca	ggcaatattt	cagaacctgg	gaataaaaga	gttccttttc	180
agcaggtggt	cctataaagt	attggaatcc	taccatataa	actgaagacg	atactttgaa	240

attc

244

<210> 619  
<211> 257  
<212> DNA  
<213> Murine

<400> 619  
ccaggaactg tccagtgaag agataaagtc ccgtgtttga aactttaaga acttttaaaa 60  
taaagactgg aaatgggaaa actgatagaa tttaaaatca acagaatgta ttcctttgac 120  
aattctcccc atagctttat tcctagcact caaggtctag gcaggaggtc tgtcgtaagc 180  
ttcaaggcag cctgtactat acacggaatt cagattacca caatgagctt ctatctcaaa 240  
cacataagct ttcctttc 257

<210> 620  
<211> 243  
<212> DNA  
<213> Murine

<400> 620  
tttttataag actggttctc actgtagctc tggctggcct gaaactcact atgtaaaacc 60  
agatgcagag gacaacaggc tggctcttgaa ctaagggacc atcctgcctc tgcctcccaa 120  
aggctggatt acaggtgggt gccaccacac ctggtttaaa tcgagactaa aaaactgttc 180  
tgtcttttag gtaatccaat tattcagaat agacctcaag tctctaaaga ggattttgat 240  
ctt 243

<210> 621  
<211> 219  
<212> DNA  
<213> Murine

<400> 621  
gatggggaga gtcacatgag tccccttctc cacctttgce tcagtaatct tttccatact 60  
ctctgacgag gcatgagggc agaccttagc ctttaaagcg ccacggttca tttatgtgtt 120  
gaaaagaaag tacttgcgta cttgtgtctt ggctcctcag cctgcttcca caccagctga 180  
cagtgggtac gtgagccagg ctgctggaga ggcatatgg 219

<210> 622  
<211> 224  
<212> DNA  
<213> Murine

<400> 622  
ttggattaga atatacactc tgaaaacctg cagcgtggct cggtgcctgc tgccgcatct 60  
gaaacctga agaaaatctc tgggtggaaa cagatgggtg aagaagaaaa aagtgtgtgt 120  
gtgtgtgtgt gtgtgtgttc tctgagtttt ggttggagga ggtacttcac agcacttgat 180  
ctagcctggc cactgagaag cggggatttt actcaaaggt cgct 224

<210> 623  
<211> 194  
<212> DNA  
<213> Murine

<400> 623  
ggaagccagc aggaacagta ggacagtcgt caggctgtga ggtgggtaag aaatacagaa 60

atgctaagta aggatatact cctcctagca ggttgcctaa ggaggtaa	120
atgctaagta aggatatact cctcctagca ggttgcctaa ggaggtaa	180
atgctaagta aggatatact cctcctagca ggttgcctaa ggaggtaa	194

<210> 624  
 <211> 195  
 <212> DNA  
 <213> Murine

gaaggattct gggaaagttc caggccccc	60
gaaggattct gggaaagttc caggccccc	120
gaaggattct gggaaagttc caggccccc	180
gaaggattct gggaaagttc caggccccc	195

<210> 625  
 <211> 257  
 <212> DNA  
 <213> Murine

ggccgttggt tgtgtttgga tatacgaactg ctatagctac tgaggaatat ccagagactt	60
ggccgttggt tgtgtttgga tatacgaactg ctatagctac tgaggaatat ccagagactt	120
ggccgttggt tgtgtttgga tatacgaactg ctatagctac tgaggaatat ccagagactt	180
ggccgttggt tgtgtttgga tatacgaactg ctatagctac tgaggaatat ccagagactt	240
ggccgttggt tgtgtttgga tatacgaactg ctatagctac tgaggaatat ccagagactt	257

<210> 626  
 <211> 95  
 <212> DNA  
 <213> Murine

aagcaagttt aaaaactgct ttattgattt gaagtaccaa atttataaag attataacag	60
aagcaagttt aaaaactgct ttattgattt gaagtaccaa atttataaag attataacag	95

<210> 627  
 <211> 194  
 <212> DNA  
 <213> Murine

gtgggagact ttatttatcc agtgtggtga tagcatggcc ctccatgctt tttactgggt	60
gtgggagact ttatttatcc agtgtggtga tagcatggcc ctccatgctt tttactgggt	120
gtgggagact ttatttatcc agtgtggtga tagcatggcc ctccatgctt tttactgggt	180
gtgggagact ttatttatcc agtgtggtga tagcatggcc ctccatgctt tttactgggt	194

<210> 628  
 <211> 176  
 <212> DNA  
 <213> Murine

<220>  
 <221> misc\_feature  
 <222> (1)...(176)

<223> n = A,T,C or G

<400> 628

tttagtttgt	gtcgggaagcc	tgtaattacn	gctccagctc	atagtgggaat	ggctatactt	60
agatttatgg	atagttgggt	agtaggtgta	aatgtatgtg	gtaaaaggcc	taggagattt	120
gttgatccaa	taaatatgat	tagggaaaca	attattaggg	tcatgttcgt	cttttt	176

<210> 629

<211> 202

<212> DNA

<213> Murine

<400> 629

ttgggtcacag	ccttctcagc	agcagcctgc	tcctccttct	caatctcctc	tgggtctctg	60
tagaagtaaa	gatcaggcat	gacctcccag	gggtgctcac	gggagatagt	acctcgcatg	120
cggagtactt	ccctggccag	catccaccac	atcagaccca	ctgagtgagc	tccttggtgt	180
tgogaattcc	accacatggc	gg				202

<210> 630

<211> 243

<212> DNA

<213> Murine

<400> 630

gttactactc	tccaggttat	gcacagtcca	gccaggggac	tctcacctca	agcaaccagg	60
caggaatgga	gggccagccc	ctaaagacaa	aaaaggatga	ggagcctgag	agcgtagaag	120
ggaaagtaaa	gaatgacgtc	tgtgaggaaa	agaagccgga	gctgagcaat	tccagtcagc	180
agcctccgtc	atcagcagcg	gccaacatgt	acatgcagtc	ctgtactaca	ccagtagtct	240
acg						243

<210> 631

<211> 266

<212> DNA

<213> Murine

<400> 631

aaaacataat	aatgatctt	agtgataagc	taaaaagtac	aatgcagcag	caagagcggg	60
ataaagattt	gatagagtcg	ctctctgagg	accgagctcg	tttgcttgaa	gagaagaagc	120
agcttgaaga	ggaagtgagt	aaactccgca	ctagcagttt	tctttcctca	gcacctgtgg	180
ctgcagccca	gagctctatg	gtgcgtgtgc	atgagctcca	gggcagcaga	gagatcatca	240
tggagacgca	gatgaaggag	actgat				266

<210> 632

<211> 234

<212> DNA

<213> Murine

<400> 632

cccaggacca	gatgggttta	gtgcagagtt	ctatcagacc	ttcaaagaag	atctaattccc	60
ggttcttcac	aaactattcc	acaaaataga	agtagaagg	actgtaccca	actcattctc	120
gaagccacaa	ttactctgat	acctaaacca	caaaaagacg	caacaaagag	aacttcagac	180
caatttcctt	atgaatatcg	atgcaaatgc	tcaataagtt	ctactaacga	tcag	234

<210> 633

<211> 204

<212> DNA  
<213> Murine

<400> 633

gatttttttt	tttttttttt	tttttttaaat	tctttttttt	ttcctttctt	cctctttttt	60
tcctctctct	cctcctaata	cacacttttt	ttagtaaggg	gaataccatg	atgtcgtctt	120
agcccgcccc	ctgtagattc	gaccccgggg	cctgctgtta	aaaccactgt	agaatcgaga	180
cggagctgtt	gtagttggtg	gtcc				204

<210> 634  
<211> 205  
<212> DNA  
<213> Murine

<400> 634

gaaatgattg	cagtccacct	ccgtacgtaa	cactcgtgtt	ttaccgaagt	tatcacttca	60
caaaaagctag	agtatgggtt	ttaagtaagc	agggacattc	atgctttcat	ctttgcaaaa	120
tcttgtgaaa	ctaggaatga	agtctaaggg	gtatagacga	gtcctcataa	accgcagaga	180
tagcgtaac	ccatatgaca	caagg				205

<210> 635  
<211> 227  
<212> DNA  
<213> Murine

<400> 635

gaattcgtaa	aattacacat	gcaaacctcc	atagaccggt	gtaaaatccc	ttaaactttt	60
acttaaaatt	taaggagagg	gtatcaagca	cattaaaata	gcttaagaca	ccttgccctag	120
ccacaccccc	acggactcag	cagtgataaa	tattaagcaa	taaacgaaag	tttgactaag	180
ttatacctct	taggggttgg	aaatttcgtg	ccagccaccg	cgtcata		227

<210> 636  
<211> 218  
<212> DNA  
<213> Murine

<400> 636

ggttttccta	catcttacaa	tggactaaga	aaaacatcac	atatgtgtcc	tcatttcctt	60
tcattcttaca	cctaattagg	gagacaccaa	tgcccatgga	aaggctgttt	ccaattttta	120
aagatacaac	acacaaggac	agggctagaa	aaggacgaag	tacaatgtct	agctatactg	180
tgacaatgtt	tcataatata	gtgtgctcct	tacgtagg			218

<210> 637  
<211> 176  
<212> DNA  
<213> Murine

<400> 637

ggtttttcga	gacagggttt	ctcgtatagt	cctggctgtc	ctgctgaaac	tcactttata	60
gaccagggtg	gcctcgaact	aaaatccgcc	tgccctctgcc	acccgagtgc	tgcgattaaa	120
gtcgtgcgcc	accacgacct	ggctctctgt	ctttctctta	atcagctttc	ctataa	176

<210> 638  
<211> 182  
<212> DNA